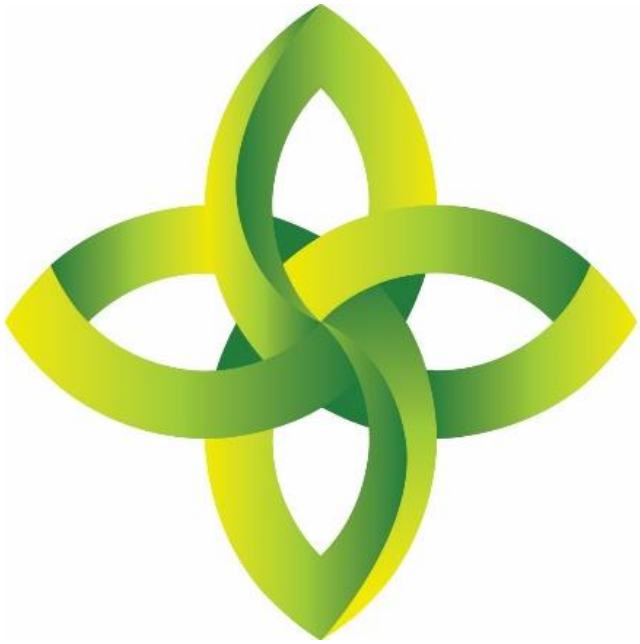

LEAF

DATA SYSTEMS

POWERED BY MJ FREEWAY

Leaf Data Systems

State of Washington

Licensee User Manual v 1.1

Aligns with fix version 1.35.6

Published by:
MJ Freeway®, LLC

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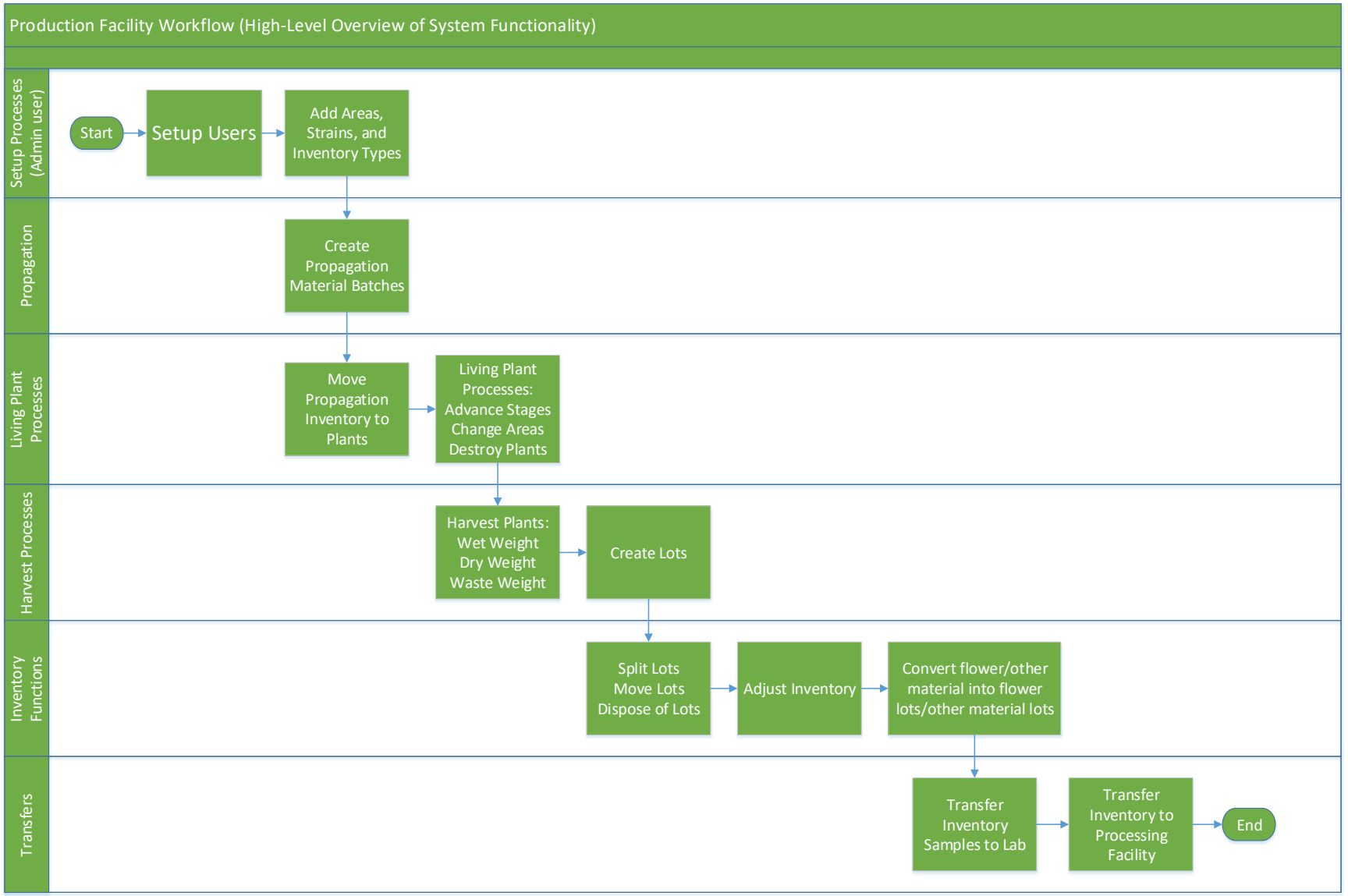
PART ONE: Production Facility Workflows

Production Facility Workflow Diagram



Producer Facility Workflow Steps and Related API Calls

Business Process	Sub Processes	UI Component	Related API Calls	Description
Manage Users	Retrieve User Global IDs	Menu: Users Option: View	user (get)	User profiles give authorized individuals access to licensee facility data.
Manage Areas	Add Area Assign Global ID Name Area Assign External ID Assign Area Type	Menu: Data Entry/Areas Option: Add	area (create)	Areas represent physical locations at licensed facilities where plants and inventory will be located.
	Modify Area Edit Name Edit/Add External ID Reassign Area Type Delete Area	Menu: Data Entry/Areas Option: Modify (pencil)	area (get) area (update)	
Manage Strains	Add Strain Assign Global ID Name Strain Assign External ID	Menu: Data Entry/Strains Option: Add	strain (create)	Strains must be created for all strains of plants or strain-specific products that will be present at a licensed facility.
	Modify Strain Edit Name	Menu: Data Entry/Strains Option: Modify (pencil)	strain (get) strain (update)	

Edit/Add External ID

Delete strain

Business Process	Sub Processes	UI Component	Related API Calls	Description
Manage Inventory Types	Add Inventory Type Name Inventory Type Assign Type (Category) Assign Sub-Type (Sub-Category) Assign External ID Enter UOM	Menu: Data Entry/Inventory Types Option: Add	inventory_type (create)	Inventory types represent the concept of the products that will exist at a facility.
	Edit Inventory Type Edit Inventory Type Name Reassign Type of Inventory Type Reassign External ID Edit UOM Delete Inventory Type	Menu: Data Entry/Inventory Types Option: Modify (pencil)	inventory_type (get) inventory_type (update)	
Propagation	Add Batch(es) Assign External ID Assign Type of Batch Assign Propagation Source Set Number of plants in Batch Enter Planted Date Assign Area	Menu: Data Entry/Batches Option: Add	batch (create)	Batch types include propagation material, plant, harvest, and intermediate/end product. For plant propagation, create a propagation material batch, then the associated inventory related to the propagation material.

Assign Plant Stage			
Assign Strain			
Add Batch(es)	Menu: Data Entry/Batches	batch (get)	Plant batches can be modified as a group when they shift stage or location throughout their life cycle.
Edit External ID	Option: Modify (pencil)	batch (update)	
Edit Type of Batch		batch (delete)	
Edit Propagation Source			
Edit Number of plants in Batch			
Change Area			
Edit Plant Stage			
Edit Strain			
Delete Batch			

Business Process	Sub Processes	UI Component	Related API Calls	Description
Propagation (cont.)	Edit External ID Edit Batch ID Edit Plant Stage Modify Area Edit Propagation Source Edit Created Date Designate if Mother Plant Designate if Initial Inventory	Menu: Data Entry Plants Option: Modify (pencil)	plant (get) plant (update)	Individual plants or groups of plants that are not in the same batch can be modified through the 'plant' record as they shift stage or location throughout their life cycle.

Business Process	Sub Processes	UI Component	Related API Calls	Description
Living Plant Processes	Select included Children Batch(es) Assign External ID Set Type Assign Area Set Propagation Source Select Strain Set Plant Stage	Menu: Data Entry Batches Option: Modify (pencil)	batch (get) batch (update)	Plant batches can be modified as a group when they shift stage or location throughout their life cycle.
	Edit External ID Edit Batch ID Edit Plant Stage Modify Area Edit Propagation Source Edit Created Date Edit Est Harvested Date Designate if Mother Plant Designate if Initial Inventory	Menu: Data Entry Plants Option: check box + Modify icon (pencil)	plant (get) plant (update)	Individual plants or groups of plants that are not in the same batch can be modified through the 'plant' record as they shift stage or location throughout their life cycle.
	Identify Source Select Plant Set Destruction Date	Menu: Data Entry Plants Option: select box + Dispose icon (wrench/screwdriver)	disposal (create)	Destruction of plants during their life cycle are documented by creating a disposal record with the appropriate reason code.

Select Inventory Type

Select Reason (for disposal)

Enter External ID

Business Process	Sub Processes	UI Component	Related API Calls	Description
Harvest Process	Assign Area Enter Flower Wet Weight Enter Other Material Wet Weight Enter Flower Dry Weight Enter Other Material Dry Weight Select Harvest Batch (to add to) Enter Waste Amt. Select Included plant(s)	Menu: Data Entry Batches Option: Harvest icon (tree)	harvest_batch (create)	To harvest a group of plants of the same strain and record the wet weight of the batch, create a harvest batch.
Post-Harvest Processes	Enter Dry Flower Weight Enter Dry Other Material Weight	Menu: Data Entry Batches Option: Cure Icon (circle)	batch (get) batch (update)	The cure weight of the harvest batch represents the total dried weight of the combined flower and trim.
	Enter Final Dry Weights Create Flower/Other Material Lots	Menu: Data Entry Batches Option: Finish Icon (Checkmark)	batch (get) batch (update) inventory (create)	Inventory lots are created from harvest batches by designating the amount of final cure weight being packaged.
	Enter waste amount	Menu: Data Entry Batches Option: Waste Icon (Garbage Can)	batch (get) batch (update)	Waste can be entered throughout the course of the post-harvest processes and is associated with the harvest batch that it was generated from.

Delete a Batch	Menu: Data Entry Batches Option: Delete (X symbol)	batch (delete)	Batches entered in error may be deleted from the system.

Business Process	Sub Processes	UI Component	Related API Calls	Description
Destruction	Select Source (Batch/Plant/Inventory) Select respective Global id for the Batch/Plant/Inventory Set Disposal Date Set Inventory Type Set Reason for Disposal Set External ID	Menu: Data Entry Disposals Option: Add	disposal (create)	Destruction records can be created for plants, batches, and inventory lots.
	Edit Source (Batch/Plant/Inventory) Edit respective Global id for the Batch/Plant/Inventory Edit Disposal Date Edit Inventory Type Edit Reason for Disposal Edit External ID	Menu: Data Entry Disposals Option: Modify icon (pencil)	disposal (get) disposal (modify)	Destruction records may be modified to reflect any change to data that has been already entered.

Business Process	Sub Processes	UI Component	Related API Calls	Description
Inventory Creation	Set External ID Check as Initial Inventory Check as Medically Compliant Select Batch Id Select Inventory Type Designate Area Enter Quantity	Menu: Data Entry Lots Option: Add	inventory (create)	Use the 'inventory' data element for physical inventory that exists at the licensed facility. First, create inventory lots from a harvest batch.
	Edit External ID Check as Initial Inventory Check as Medically Compliant Edit Batch Id Edit Inventory Type Designate Area Edit Quantity	Menu: Data Entry Lots Option: Modify icon (pencil)	inventory (get) inventory (update)	Inventory lot attributes (other than the quantity) can be modified through the 'inventory' record.

Business Process	Sub Processes	UI Component	Related API Calls	Description
Inventory Management	Delete Lot	Menu: Data Entry Lots Option: Delete (X symbol)	inventory (delete)	Inventory lot records created in error may be deleted.
	Set External ID Select Lot ID Set Quantity Describe Reason for Adjustment Enter Memo info	Menu: Data Entry Inventory Adjustments Option: Add	inventory_adjustment (create)	'Inventory adjustments' are used to modify the quantity of an inventory lot with an assigned 'reason code'.
	Enter QTY moved to new Lot (splitting lots)	Menu: Data Entry/Lots Option: Split Selected Lot	inventory (get) inventory (modify) inventory (create)	Lots can be split by decrementing the original lot where inventory is coming from, then creating a new lot that is associated to the same batch.
	Select input(s) and quantit(ies) Set External ID Select Inventory Type Indicate if Medically compliant Set Area Enter Qty Enter Waste amount Enter Start Date	Menu: Data Entry Inventory Conversion	inventory (get) inventory (modify) inventory (create)	This occurs when a grower converts bulk flower into pre-packaged flower. The input inventory should be decremented, then the output inventory must be created.

Enter End Date

Product Not Altered Attestation

Business Process	Sub Processes	UI Component	Related API Calls	Description
Inventory Transfers	Set External ID Select Destination Licensee Select Driver Enter Est. Departure Enter Est. Arrival Date Enter Vehicle Description Enter Vehicle License Plate Attach Image of Manifest Add Lot(s) to Manifest including: Lot Number QTY Designate if Sample Designate if Non-mandatory Sample	Menu: Data Entry Inventory Transfers Option: Add Inventory Transfers	inventory_transfer (create)	'Inventory transfers' that are being created are saved with an 'open' status pending transfer.

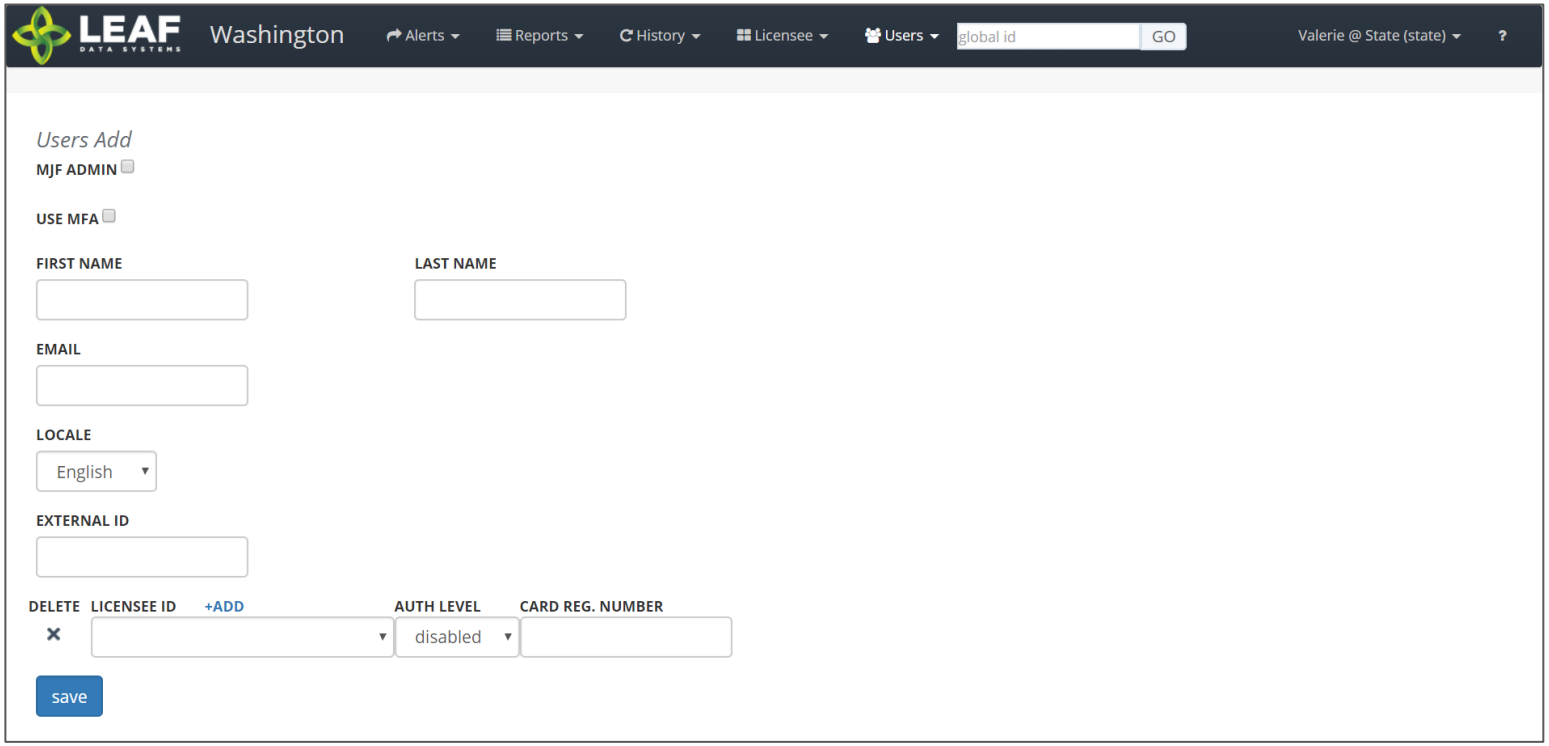
Business Process	Sub Processes	UI Component	Related API Calls	Description
	Enter Driver Set Est Departure Datetime Set Est Arrival Datetime Enter Transferred Date Describe Stops Enter Vehicle Description Enter License Plate	Menu: Data Entry Inventory Transfers Option: Transporter Icon (pencil) (Changing a Transfer status to 'In Transit')	inventory_transfer_in_transit (create)	If the Transporter information is not provided at the time the inventory transfer is created, It will be saved in a partial "ready for pickup" state. It can be edited later (by either the sending or receiving licensee) to include this information at which point a notification email will be sent. Once a transfer is leaving the sending facility, it can be designated as 'in transit' with this call.
	Enter Received QTY Designate Area Confirm Strain	Menu: Reports/Inventory Transfers/Receive Option: Receiving Icon (gear)	receive_transfer (create)	To receive an inventory transfer from another licensee, use the 'receive_transfer' call to confirm the precise quantity of each item being received.

Production Facility Workflow Steps Related to UI Workflows

Administrative Setup

Create User Profiles (UI ONLY)

To create a new user profile, navigate to 'Users→Add'.



1. **Use MFA:** ***Do not check this box because SAW is being used to authenticate into Leaf Data Systems.*** This feature has been deprecated and will be removed in a later release.
2. **First Name:** Type the first name of the user.
3. **Last Name:** Type the last name of the user.

4. **Email:** Enter the email address of the user.
5. **Locale:** Select the primary language of the user.
6. **External ID:** (optional field) Provides the ability to enter a secondary reference name/number for this record.
7. **Licensee ID:** From the drop-down menu, select the licensee(s) that the user should have access to.
8. **Delete:** Click the 'X' to delete a licensee row that has been added.
9. **Add:** Click the '+ADD' link to add more rows of licensees.
10. **Auth Level:** For each licensee that the user is assigned to, select an 'Authorization Level' from the drop-down menu.
    a. 'View' allows a user to see information present in Leaf Data without the ability to perform data functions.
    b. 'Edit' allows a user to view information in Leaf Data, as well as perform functions pertaining to day-to-day operations of the facility. The administrative setup functions described in this procedure are NOT able to be performed by a user with an 'edit' authorization level.
    c. 'Admin' allows a user access to all information and all functionality within Leaf Data that may be viewed or performed by the associated Licensee ID.
    d. 'Disabled' maintains a users profile in Leaf Data Systems while prohibiting the user from accessing the database.
11. **Card Reg. Number:** this field has been deprecated and will be removed in an upcoming release.
12. **Save:** Click the 'save' button to create the new user.

Viewing and Modifying Users

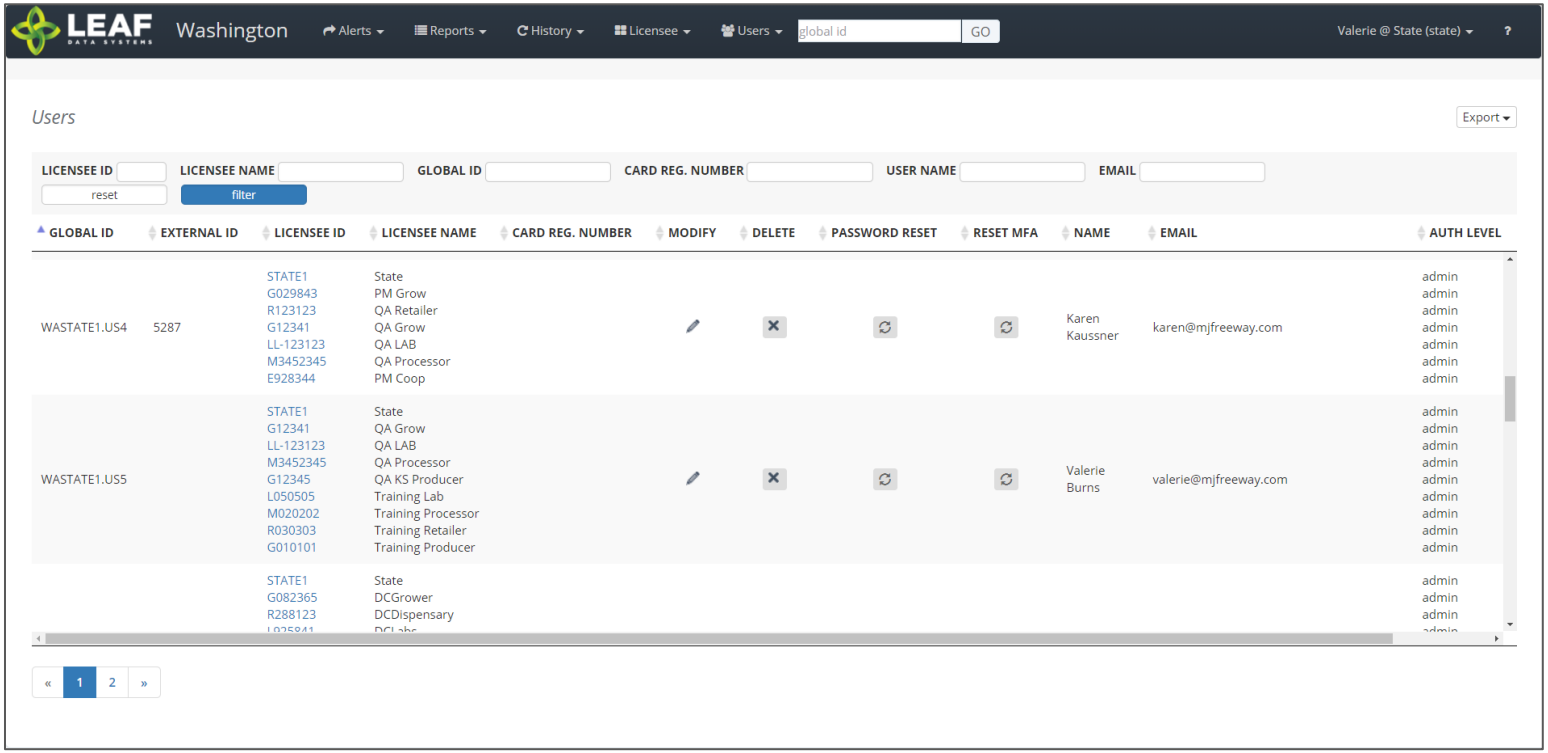
API:

Use the "/users" GET to retrieve data regarding users that have already been created

Users may only be created and modified via the UI

UI:

To view users that have been created within Leaf Data Systems, navigate to 'Users→View'. Use the filters and column headers to sort the data to find a specfic record. To modify the record, click the 'pen' icon in the 'Modify' column of the line item you wish to modify. Update the information that has changed, and click the 'Save' button to update the record.



Create Areas

API:

To retrieve a list of created areas, use the "/areas" GET call

To add areas, use the "/areas" CREATE call

To modify areas, use the "/areas" UPDATE call

To delete areas, use the "/areas" DELETE call

UI:

1. Navigate to 'Data Entry→Areas'.
2. To create a new area, click the 'add' button in the upper-right corner of the screen.
3. Enter a name for the area, then select the corresponding area type.
4. Click the 'save' button to create the area.
5. Repeat steps 2-4 until all physical locations where plants and product may exist are represented within Leaf Data.

Create Strains

API:

To retrieve a list of created strains, use the "/strains" GET call
To add strains, use the "/strains" CREATE call
To modify strains, use the "/strains" UPDATE call
To delete strains, use the "/strains" DELETE call

UI:

1. Navigate to 'Data Entry→Strains'.
2. To create a new strain, click the 'add' button in the upper-right corner of the screen.
3. Enter the strain name in the name field, then click the 'save' button to create the strain.
4. Repeat steps 3-4 until all strains that will be present at the facility are represented within Leaf Data.

Create Inventory Types

API:

To retrieve a list of created inventory_types, use the "/inventory_types" GET call
To add inventory_types, use the "/inventory_types" CREATE call
To modify inventory_types, use the "/inventory_types" UPDATE call
To delete inventory_types, use the "/inventory_types" DELETE call

UI:

1. Navigate to 'Data Entry→Inventory Types'.
2. Click the 'add' button in the upper-right corner of the screen.
3. In the 'Name' field, enter a name for the new inventory type, for example, the strain name followed by descriptive wording, such as 'flower' or 'other material'.
4. Select the 'category' and 'subcategory' that represent the inventory type being created.
5. Optionally, you may enter a description of the inventory type.
6. Select the unit of measure that corresponds to the inventory type being created: if the product is measured by its weight, select grams (gm) and if the product is measured by a piece count, select each (ea).
7. Once the form is complete, click the 'save' button to create the inventory type.

Understanding Batches

The purpose of using batches to group together plant and inventory records is two-fold. Batches assist with creating the traceability that the system is designed to offer. As well, batches allow producers to manage plants in any phase in groups, which enables mass actions to be applied to numerous records simultaneously. Batches are not intended to constrain activities involving plant movement, as plants can be shifted from one batch to another and do not have exclusive relationships with batches they are added to.

Batch types include propagation material, plant, harvest, and intermediate/end product.

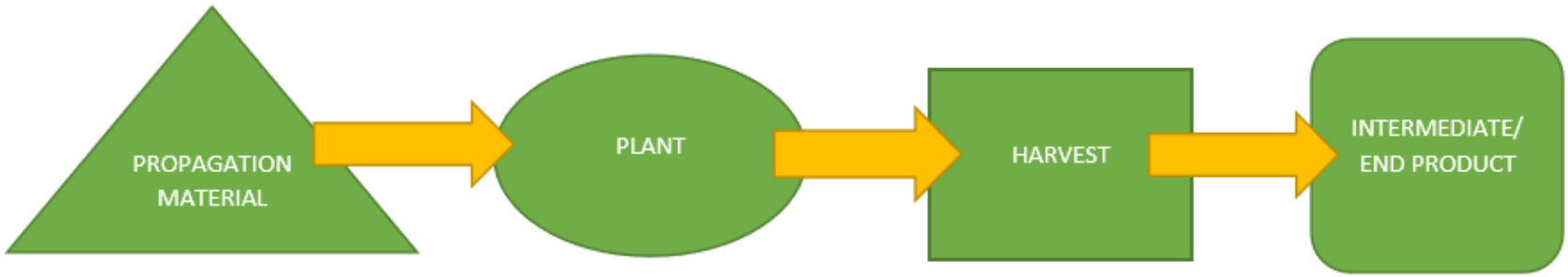
'Propagation Material' batches are used to create inventory lots of seeds, clones, and plant tissue so that these plants can be tracked as inventory throughout their propagation phase. As plants shift from their propagation to vegetative phase, they are moved to plants at which point the plant records are associated with a 'plant' type batch.

'Plant' batches are a group of plants from the same strain, that are growing together within their vegetative and flowering phases. Attributes of all of the plants within a batch can be modified at the batch level, which will apply changes across all of the plant records.

'Harvest' batches represent a group of harvested material that is all the same strain. These types of batches are used to denote both 'wet' and 'dry' weight of 'flower' and 'other material' produced during the harvest. Resultant dry weight from a harvest batch is separated into 'inventory lots'.

'Intermediate/end product' batches are batches that consist of multiple harvest batches being combined, for example, combining two different strains to make a blended concentrate product. They can also be comprised of a single harvest batch that has been converted into an intermediate or end product.

Visualization of the Batch Life Cycle



Adding Propagation Material Inventory

API:

To add propagation material, use the "/batches" CREATE call, where the batch "type"="propagation material"
A resultant inventory lot will be created that represents the propagation material inventory created

UI:

1. Navigate to 'Data Entry→Batches' to create a batch that will represent the propagation material being created.
2. Click the 'add' button in the upper-right corner of the screen.
3. From the 'Type' drop-down menu, select 'propagation material'.
4. In the 'Area' field, begin typing the name of the area where the propagation material will be located, and then select it from the list that appears.
5. From the 'Strain' drop-down menu, select the strain of the plants being created. *NOTE: This process must be repeated for each strain of plants being created, as batches are strain-specific.*
6. From the 'Propagation Source' drop-down menu, select the appropriate propagation source for the plant batch being added.
7. The 'Mother Plant ID' field is an optional field designed to relate the propagation material to the "mother plant" that it came from.
8. In the 'Quantity' field, type the number of immature plants being created with this batch.
9. Click the 'save' button to create the new batch.

Moving Propagation Inventory to Plants

API:

To move propagation inventory to plants, use the "/move_inventory_to_plants" function
A result will be a batch where "type"="plant" (a child batch of the propagation material batch)
Another result will be individual plant records for each plant moved

UI:

1. Navigate to 'Data Entry→Lots'.
2. Locate the inventory lot that represents the immature plants that are being advanced from propagation to their vegetative phase.
3. In the 'Move to Plants' column, click the tree icon on the line item of the propagation inventory to be shifted to plants.
4. In the 'Qty' field, enter the number of immature plants that are being moved to the plant batch.
5. From the 'Batch ID' drop-down menu, select the plant batch to add the plants to, or leave this selection blank for a new plant batch to be created.
6. Click the 'move back to plants' button.

Living Plant Processes

Living plant processes may be performed to either batches of plants. To modify the attributes of an individual plant, shift the plant to a different batch with the desired attributes.

Changing Areas

API:

To retrieve a list of created plants, use the "/plants" GET call
To add plants, use the "/plants" CREATE call
To modify plants, use the "/plants" UPDATE call
To delete plants, use the "/plants" DELETE call
To retrieve a list of created batches, use the "/batches" GET call
To add batches, use the "/batches" CREATE call
To modify batches, use the "/batches" UPDATE call
To delete batches, use the "/batches" DELETE call

UI:

1. Navigate to 'Data Entry→Batches' to advance the stage of a batch of plants.
2. Locate the batch that must be shifted to a new location, and click the 'Modify' icon within the line item.
3. Update the area using the 'Area' field.
4. Click the 'save' button.

Destroying a Plant

The front end term for a "disposal" found in the API is "destruction".

API:

To retrieve a list of created disposals, use the "/disposals" GET call
To add disposals, use the "/disposals" CREATE call
To modify disposals, use the "/disposals" UPDATE call
To delete disposals, use the "/disposals" DELETE call

UI:

1. Navigate to 'Data Entry→Plants'.
2. Within the line item of the plant to be disposed of, click the dispose icon.
3. In the 'Source' drop-down menu, 'Plant' will be automatically selected.
4. From the 'Plant' drop-down menu, confirm the global ID of the plant being destroyed.
5. Click the 'Actual Date of Destruction' field to select the date that the batch of plants was destroyed.
6. From the 'Reason' drop-down menu, select the appropriate reason for destruction.
7. Click the 'save' button to dispose of the batch of plants.

Harvest Process

Within the 'Harvest Process', a 'Wet Weight' is defined as the total wet weight of the flower and other material at the time of harvest. The 'Cure Weight' is defined as the total dry weight of the flower and other material produced from a batch prior to distribution. The waste weights may be entered repeatedly as waste is generated throughout the harvest process.

Wet Weight

API:

To harvest a group of plants, use the "/plants/harvest_plants" (harvest batch) workflow function
To retrieve a list of created batches, use the "/batches" GET call
To add batches, use the "/batches" CREATE call
To modify batches, use the "/batches" UPDATE call
To delete batches, use the "/batches" DELETE call

UI:

1. Navigate to 'Data Entry→Batches'.
2. Within the line item of the batch to be harvested, click the 'Harvest' icon in the 'Action' column.
3. From the 'Area' drop-down menu, select the area where the harvest material will be stored.
4. From the 'Harvest Batch' drop-down menu, select 'new' to create a new harvest batch, or select the harvest batch where the plants being harvested should be added.
5. Enter any waste weight generated into the 'Waste (gm)' field.
6. Enter the wet weight of the plants upon harvest into the 'Flower Wet Weight (gm)' and 'Other Material Wet Weight (gm) fields.
7. Click the 'Harvested Date Begin' field and select the date/time that the harvest was initiated for this harvest batch.
8. Upon completion of the harvest process, the 'Harvested Date End' field can be completed.
9. From the active plant records listed, click the checkbox next to each plant being harvested to select it, or click the 'check all' checkbox at the top of this section to select all of the plants listed.
10. Click the 'save' button.

Cure Weight

API:

To modify a batch to include the dry weight once it has been recorded, use the "/batches" UPDATE call

UI:

1. Navigate to 'Data Entry→Batches'.
2. Within the line item of the batch that the cure weight is being collected for, click the 'Cure' icon in the 'Action' column.
3. Enter the cured dry weight of the flower and other material into the 'Flower Dry Weight (gm)' and 'Other Material Dry Weight (gm)' fields.
4. Click the 'cure batch' button.

Waste Weight(s)

API:

To retrieve a list of created disposals, use the "/disposals" GET call
To add disposals, use the "/disposals" CREATE call
To modify disposals, use the "/disposals" UPDATE call
To delete disposals, use the "/disposals" DELETE call

UI:

1. Navigate to 'Data Entry→Batches'.
2. Within the line item of the batch that the waste weight is being documented for, click the 'Waste' icon in the 'Action' column.
3. Enter the waste weight into the 'Waste' field.
4. Click the 'save' button.
5. This will create a destruction record, as well as an inventory lot representing the weight of the plant matter to be destroyed.

Creating Lots

Once wet and dry weights have been entered for a batch, the batch must be "finished" into inventory lots in order to maintain traceability.

API:

To finish a harvest batch into inventory lots, use the "/batches/finish_lot" (finish batch) workflow function

UI:

1. Once all harvest weights (wet weight, cure weight, and waste weight) have been documented for a batch, navigate to 'Data Entry→Batches' to create lots of finished product.
2. Within the line item of the batch being packaged into lots, click the 'Finish' icon in the 'Action' column.
3. From the 'New Lots' drop-down menu, select the inventory item (strain of flower) being packaged.

4. In the 'Qty' field, enter the weight of the lot being created, in grams.
5. To create multiple lots from the same batch, click the '+Add' link next to the 'New Lots' heading, and repeat steps 3-4 until all lots are represented.
6. Click the 'finish lots' button to create the inventory lots.

Inventory Functions

As product is packaged and prepared for sale, there are multiple functions that may be necessary to be performed. Once lots are created, they can be split into multiple lots, moved from area to area, and disposed of (either partially, or in full).

Splitting Lots

API:

To split an inventory lot, use the "/split_inventory" workflow function

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that must be split.
2. In the filter menu of the page, enter the gram weight of the new lot to be created into the 'Qty' field (adjacent to the 'split selected lot' button).
3. Click the 'split selected lot' button.
4. The designated quantity will be shifted into its own lot, and the original lot will contain the remaining weight.

Moving Lots

API:

To update the area of inventory lots, use the "/inventories" UPDATE call

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that is being moved to a new physical location.
2. In the filter menu of the page, select the new area for the lot from the 'Move to Area' drop-down menu (adjacent to the 'move selected lots' button).
3. Click the 'move selected lots' button.
4. The designated lot will be shifted into the new area that has been selected.

Destructions

API:

To retrieve a list of created disposals, use the "/disposals" GET call
To add disposals, use the "/disposals" CREATE call
To modify disposals, use the "/disposals" UPDATE call
To delete disposals, use the "/disposals" DELETE call

UI:

1. Navigate to 'Data Entry→Lots'.
2. Within the line item of the lots that is being adjusted due to a disposal, click the 'Dispose' icon at the far-right side of the record.
3. From the 'Source' drop-down menu, confirm that 'Inventory' is selected.
4. From the 'Lot' drop-down menu, confirm the global ID of the lot being destroyed.
5. From the 'Reason' drop-down menu, select the reason that is most appropriate for the destruction record being created.
6. Click the 'Actual Date of Destruction' field to enter the date when the waste was created.
7. In the 'Qty' field, enter the weight of the product that is being disposed of.
8. Click the 'save' button to create the new destruction record.
9. Once the record has been created, a resultant inventory lot representing the waste material will be created which can be found under 'Data Entry→Lots'.
10. Once the quarantine period is over, to document the physical disposal of the waste inventory, navigate to 'Data Entry→Destructions', find the line item of the destruction record, and click the 'Dispose' icon in the 'Dispose' column.

Inventory Adjustments

API:

To retrieve a list of created inventory_adjustments, use the "/inventory_adjustments" GET call
To add inventory_adjustments, use the "/inventory_adjustments" CREATE call
To modify inventory_adjustments, use the "/inventory_adjustments" UPDATE call
To delete inventory_adjustments, use the "/inventory_adjustments" DELETE call

UI:

1. Navigate to 'Data Entry→Inventory Adjustments'.
2. Click the 'add' button in the upper-right corner of the screen to create a new adjustment.
3. From the 'Lot' drop-down menu, select the lot that is to be adjusted.
4. In the 'Qty' field, enter the weight being adjusted from the package (and NOT the new package weight). For example, if 100 grams is being added to the lot, type "100", however, if 100 grams if being decremented from the lot, type "-100".
5. From the 'Reason' drop-down menu, select the reason that the adjustment is being documented.
6. *(Optional)* In the memo field, add any additional notes that better explain the reason for the adjustment.
7. Click the 'save' button.

Inventory Transfers

Inventory Transfers are records that document the movement of inventory from one licensed facility (or testing laboratory) to another.

Three Different Manifest Types

When creating an inventory transfer, it is important to first understand the three types that are available.

A **Delivery** manifest is a standard transfer where the sender will be responsible for completing all of the transfer information, to include:

a. The Recipient
b. The Driver Name(s)
c. Estimated Departure and Arrival Times
d. Vehicle Information (License Plate, Vehicle Description, and Vehicle VIN)
e. Inventory to be Transferred
f. Price Total per line item

The general workflow of a **Delivery** manifest is that the sender is performing the physical transport of the inventory to the receiver. In this workflow, *only* the sending facility can mark the transfer as "in transit".

A **Pickup** manifest allows for the receiver to fill out the driver, trip, and vehicle information (b, c, and d in the list above). This is designed to facilitate a workflow in which the receiver is performing the physical transport of the inventory.

With a **Pickup** manifest type, either the sender *or* the receiver is able to mark the inventory transfer as "in transit".

A **Licensed Transporter** manifest allows for the sending facility to select a licensed transporter business to perform the physical transport of the inventory. Upon selection of this manifest type, the driver and vehicle information are not necessary, and those fields are removed from the inventory transfer page.

Now that you understand the different types of inventory transfers/manifests available, let's take a look at inventory transfer creation.

NOTE: "Multi-Stop" functionality is currently not available in Leaf Data Systems. This is being developed for a future release. PLEASE DO NOT SELECT the "Part of Multi-Stop" checkbox visible upon creating an inventory transfer. As well, the "Inventory Transfers/Deliveries" data entry listing and report will not be useable until this functionality has been completed.

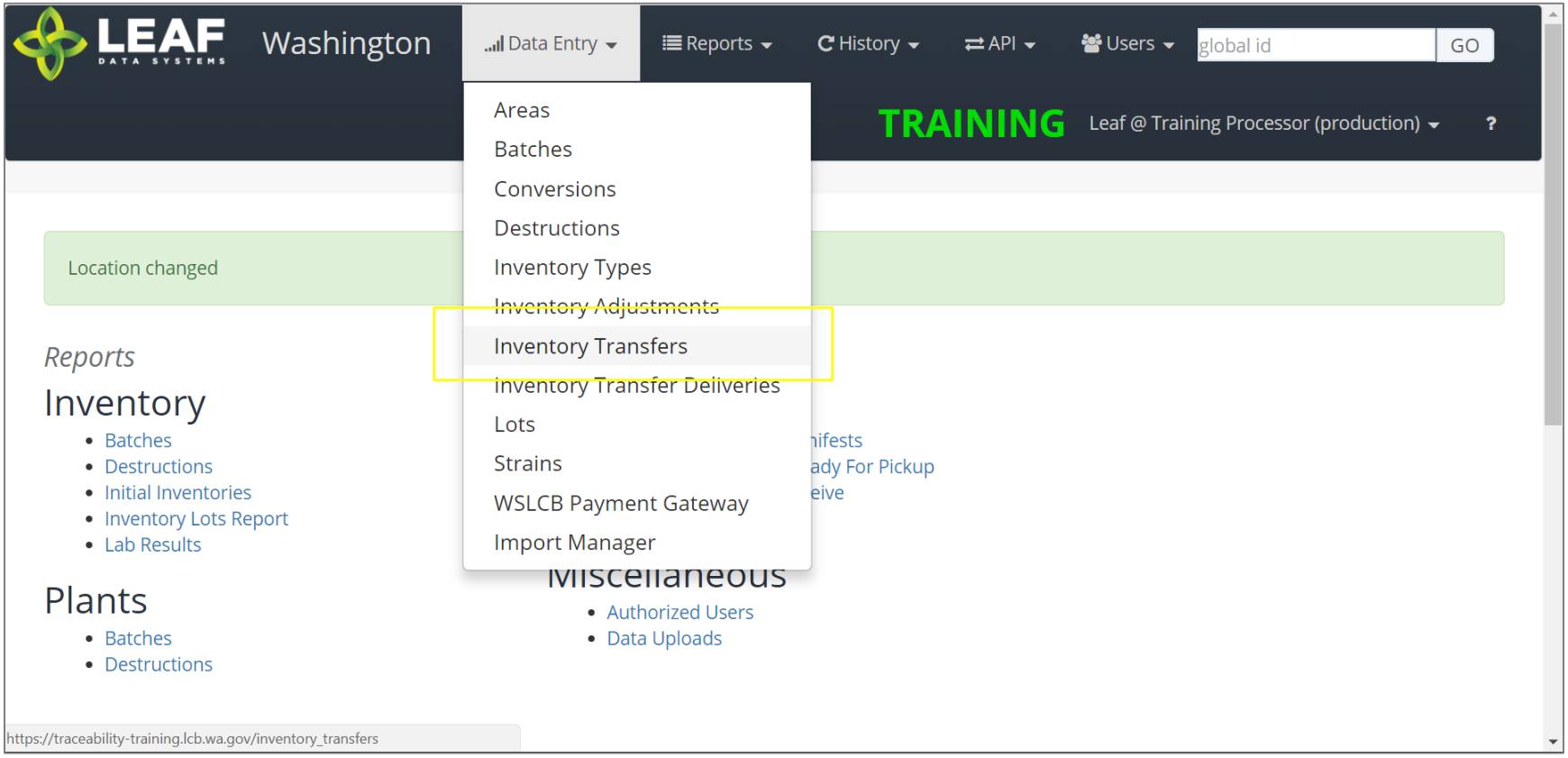
How to Create an Inventory Transfer

API:

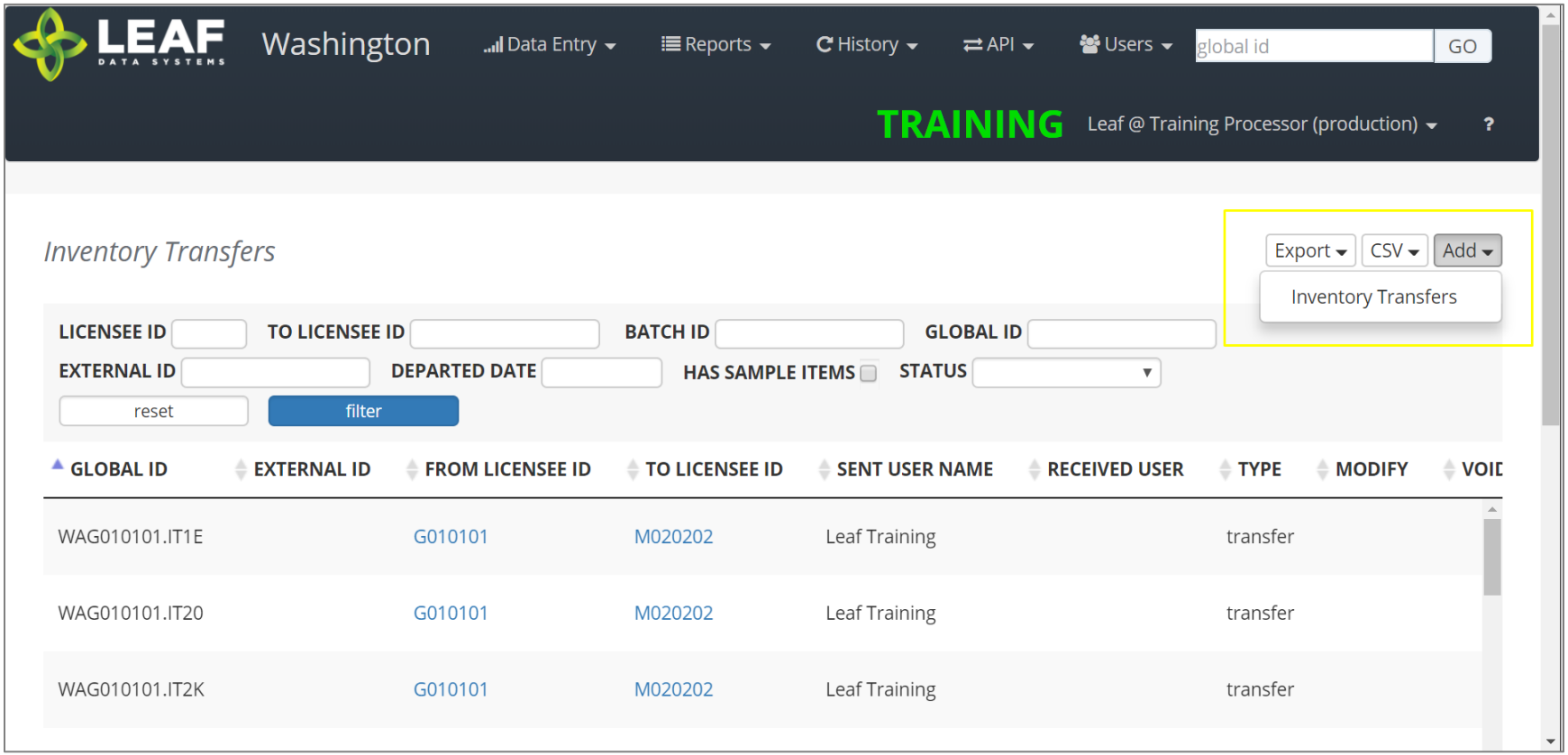
To retrieve a list of created inventory_transfers, use the "/inventory_transfers" GET call
To add inventory_transfers, use the "/inventory_transfers" CREATE call

UI:

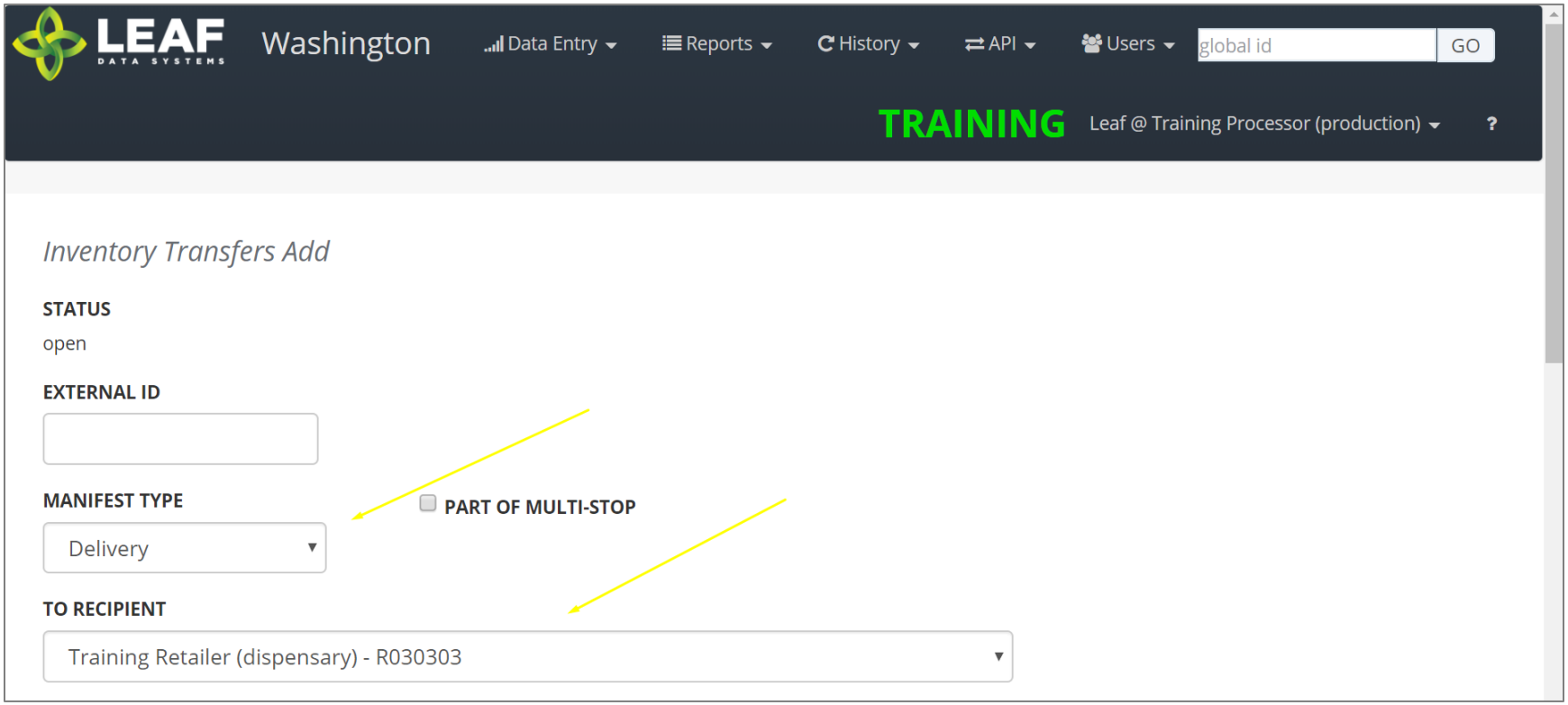
First, navigate to 'Data Entry→Inventory Transfers':



The page displayed will show a listing of all inventory transfers that have been created at the facility. To create a new inventory transfer, click the 'Add' button in the upper-right corner, then click 'Inventory Transfers'.

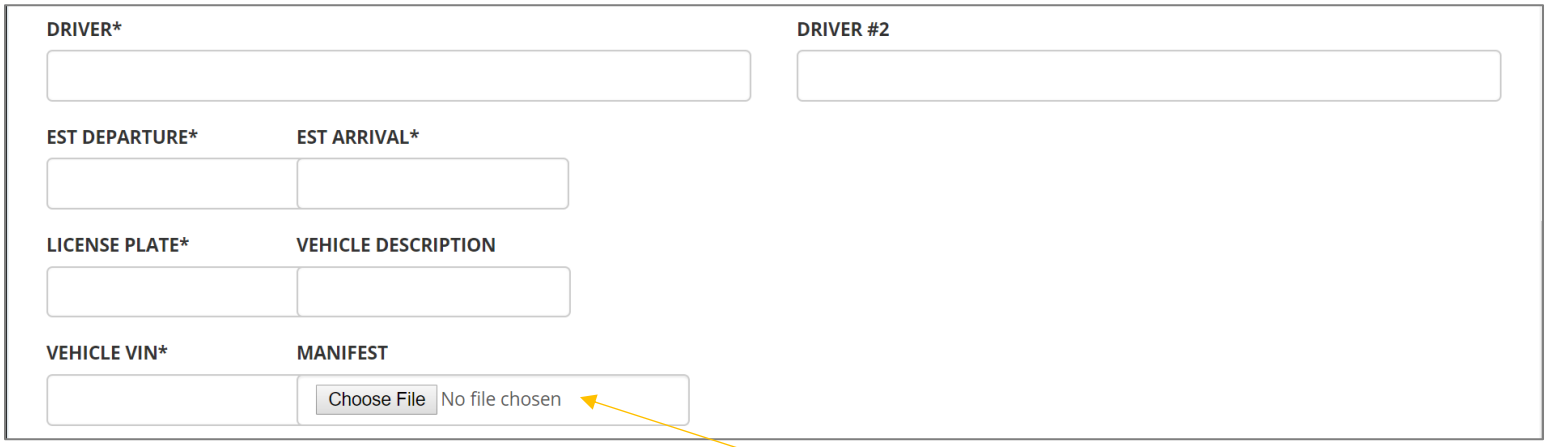


The first section of the inventory transfer allows for selection of the manifest type (discussed in the previous section), and the ability to choose the intended recipient of the transfer.

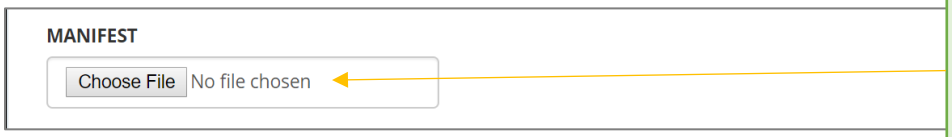


Once you complete these two selections, scroll down to the next section.

For a manifest type of “delivery” the next section will look like this:



For a manifest type of “pickup” the same section will look like this:



NOTE: The “Manifest” field that allows for upload of an external manifest is not necessary if you are using the Leaf Data Systems user interface directly. Leaf will generate a manifest for you upon creation of the inventory transfer.

For a manifest type of “licensed transporter” the same section will look like this:

Complete all of the fields available based on the manifest type selected in the previous step, then scroll down.

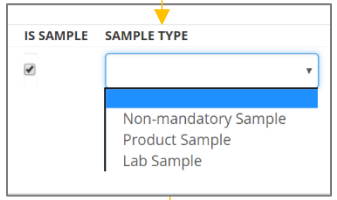
Finally, you will need to select the inventory being transferred. There are a couple of other important designations related to this inventory.

Start typing the global ID or name of the inventory lot to be transferred. To add more lots, click the "+ADD" link above the field.

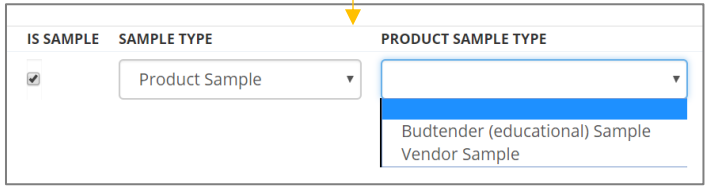
Select the quantity of the lot to be transferred.

The unit of measure is determined by the "inventory type" of the inventory lot.

If inventory being transferred from a Producer to a Processor is designated as being for extraction purposes, check this box



Values entered into this field for each line item will generate a wholesale transaction record upon creation of the inventory transfer. This total represents the total price of the line item (not the unit price).



For Samples, click the "is sample" checkbox to allow for selection of "Sample Type". "Sample Types" include:

Non-Mandatory Sample-used to request non-mandatory testing from a QA lab (results will NOT appear in Leaf)

Product Sample-used to designate educational and vendor samples, causing a secondary drop-down to appear for selection of "Product Sample" type

Lab Sample—a sample being sent to a testing lab for required QA testing; selecting this sample type enables selection of the "Retest" checkbox to denote that an inventory lot is being retested

Once all of the applicable forms have been completed,

click the 'Save' button to create the transfer.

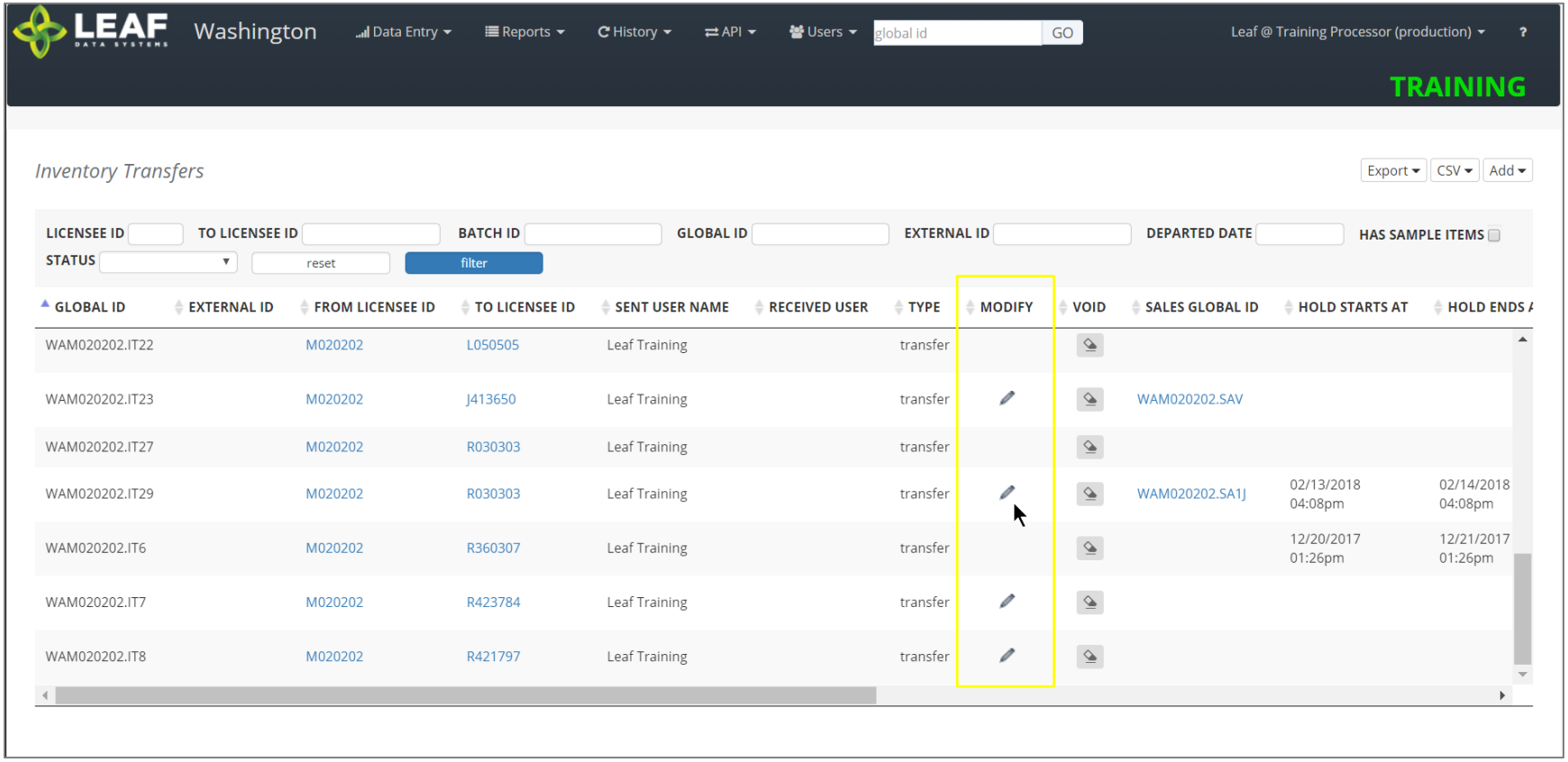
Modifying an Inventory Transfer

API:

To modify inventory_transfers, use the "/inventory_transfers" UPDATE call

UI:

To modify an Inventory Transfer record that has been created, navigate to 'Data Entry→Inventory Transfers'. Search for the transfer you wish to modify and click the pen icon in the "Modify" column.



This will take to back to a page similar to the screen where you created the transfer, and you can modify any information.

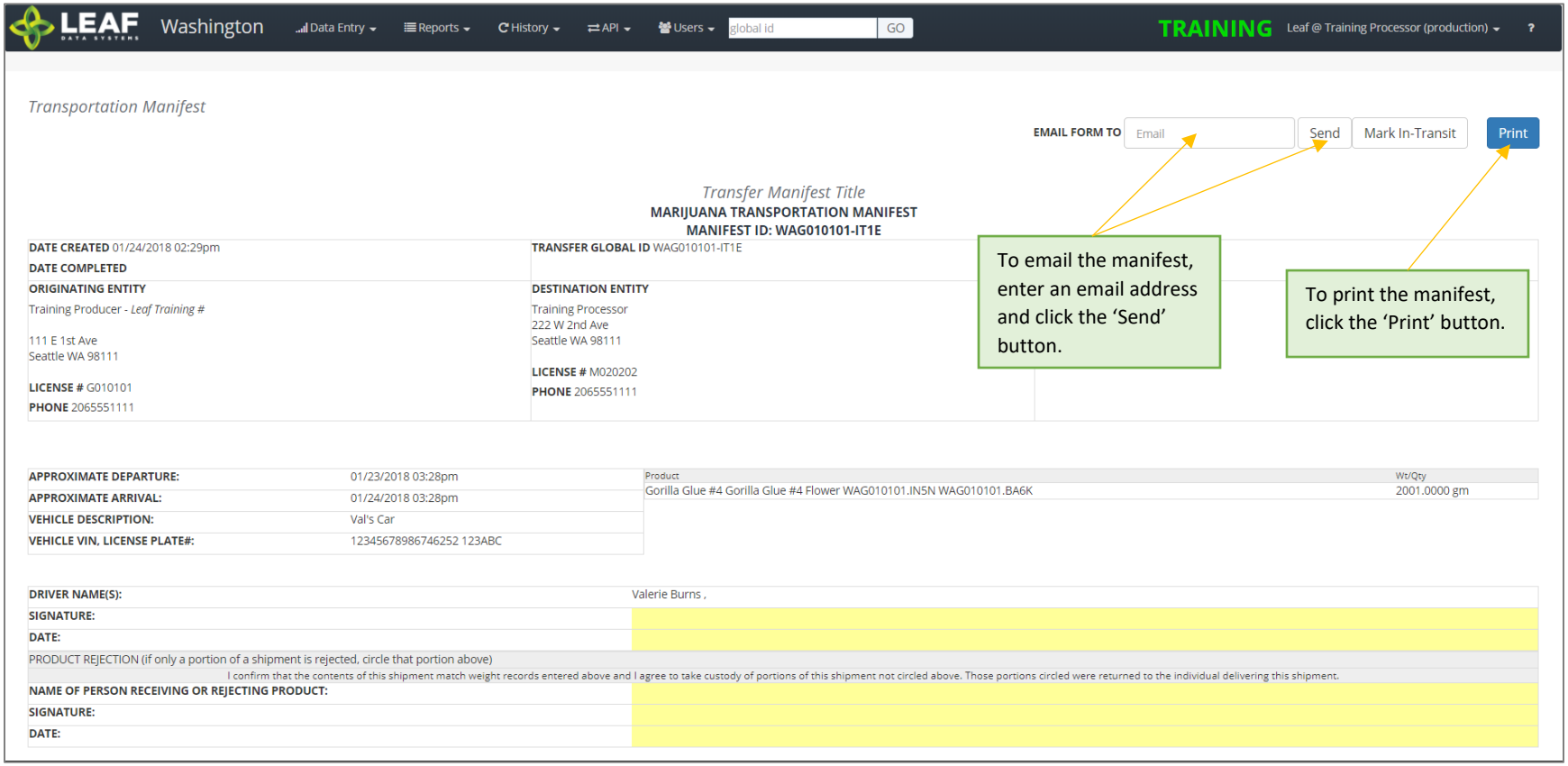
Viewing and Printing the Manifest

API:

Manifests created through a third party software solution can be associated with the inventory transfer record by creating a base-64 encoded file and including it in the CREATE call

UI:

To view and print a manifest, navigate to "Data Entry→Inventory Transfers" (as in the previous step), and search for the inventory transfer record you wish to view the manifest for. Click the gear icon in the "Manifest" column of the line item. This will produce the following:



NOTE: If you are unable to see the "gear" icon due to the word "Quarantine" in its place, this means that *AT LEAST ONE* of the inventory lots associated with the transfer does not have the appropriate lab results (or lab result attestation, for initial inventory) associated. Please double-check the lab results or lab results attestation for each lot.

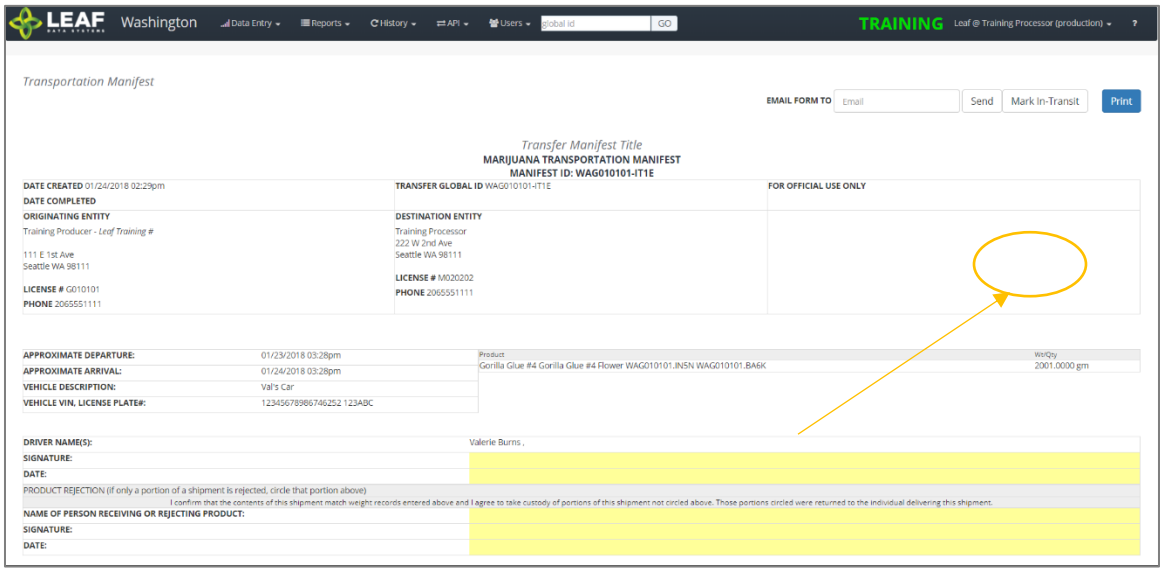
Marking an Inventory Transfer as "In Transit"

API:

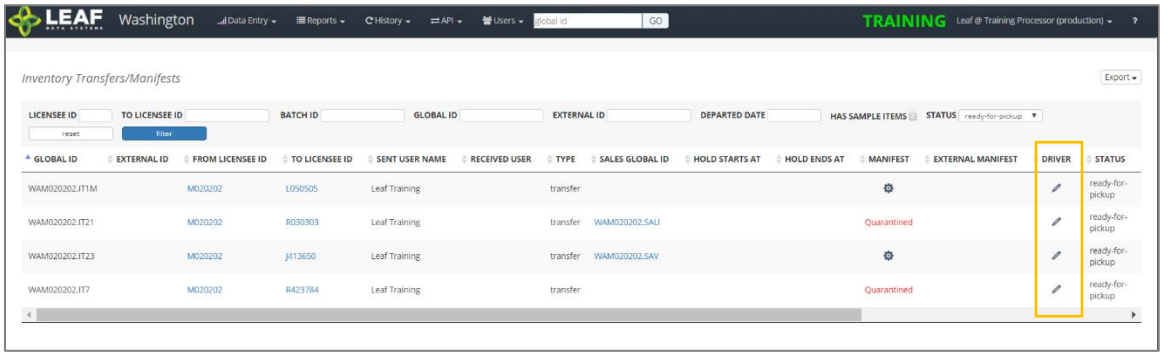
To mark a transfer as "in transit", use the "/inventory_transfers_in_transit" workflow function

UI:

From the manifest view (see previous step for navigation to manifest), click the "Mark In-Transit" button in the upper-right corner of the manifest. This will change the status of the manifest from "open" to "in-transit". Once a manifest is designated as "in-transit", it can no longer be modified, only received. If a manifest is marked as "in-transit" in error, the only option is to "Void" the manifest (see final section of this document) and re-create it.



For a “pickup” manifest, once the sender has created the manifest record, the receiver should navigate to “Reports→Inventory Transfers/Ready-for-Pickup”. Then, search for the manifest that is ready for pickup, and click the pen icon in the “Driver” column. This will allow the receiver to complete the driver and vehicle information pertaining to the transfer. A receiver would use the same process denoted above to mark the transfer as “in transit”.



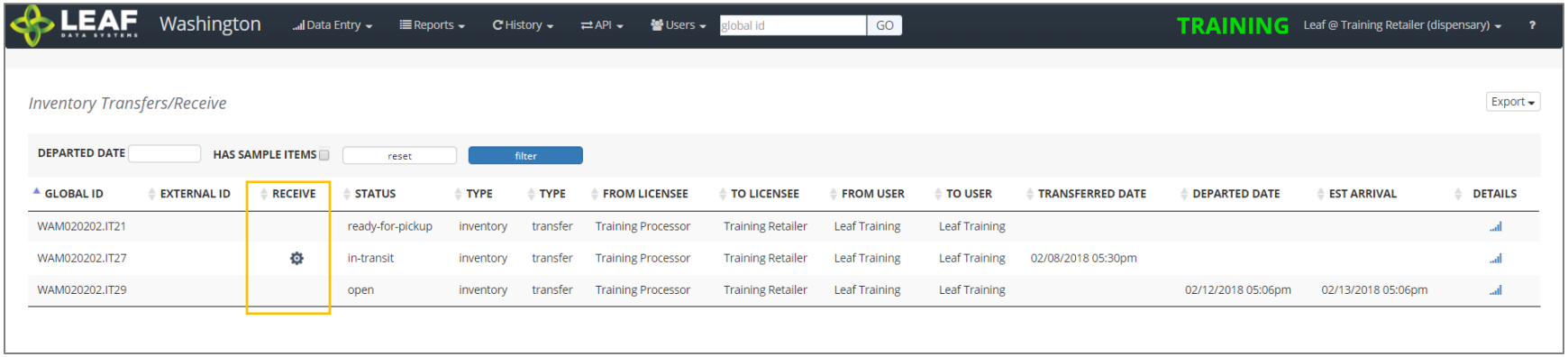
Receiving an Inventory Transfer

API:

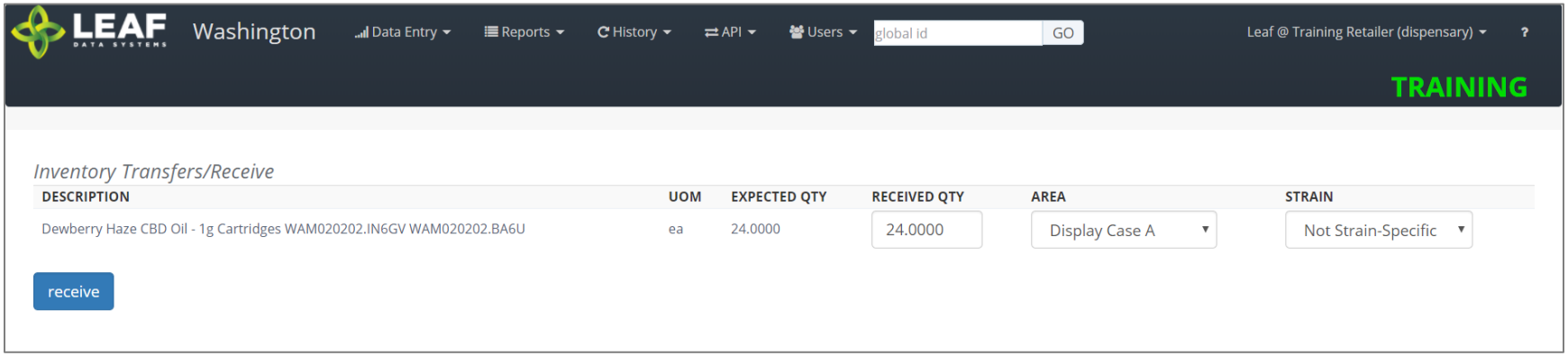
To receive an inventory transfer, use the "/inventory_transfers/api_receive" (receive transfer) workflow function

UI:

Once an inventory transfer has been marked as “in-transit”, receiver can accept the inventory into their facility by navigating to “Reports→Inventory Transfers/Receive”.



Search for the transfer to be received, then click the gear icon in the “Receive” column. On the screen that appears (below), enter the received quantities for each line item of the transfer. Select an ‘Area’ from the drop-down menu to receive the inventory into. Finally, if the product is strain-specific, select the local strain associated with it. If it is not strain-specific, the default value in this field will denote this.



Click the ‘receive’ button once all of the information for each line item has been completed.

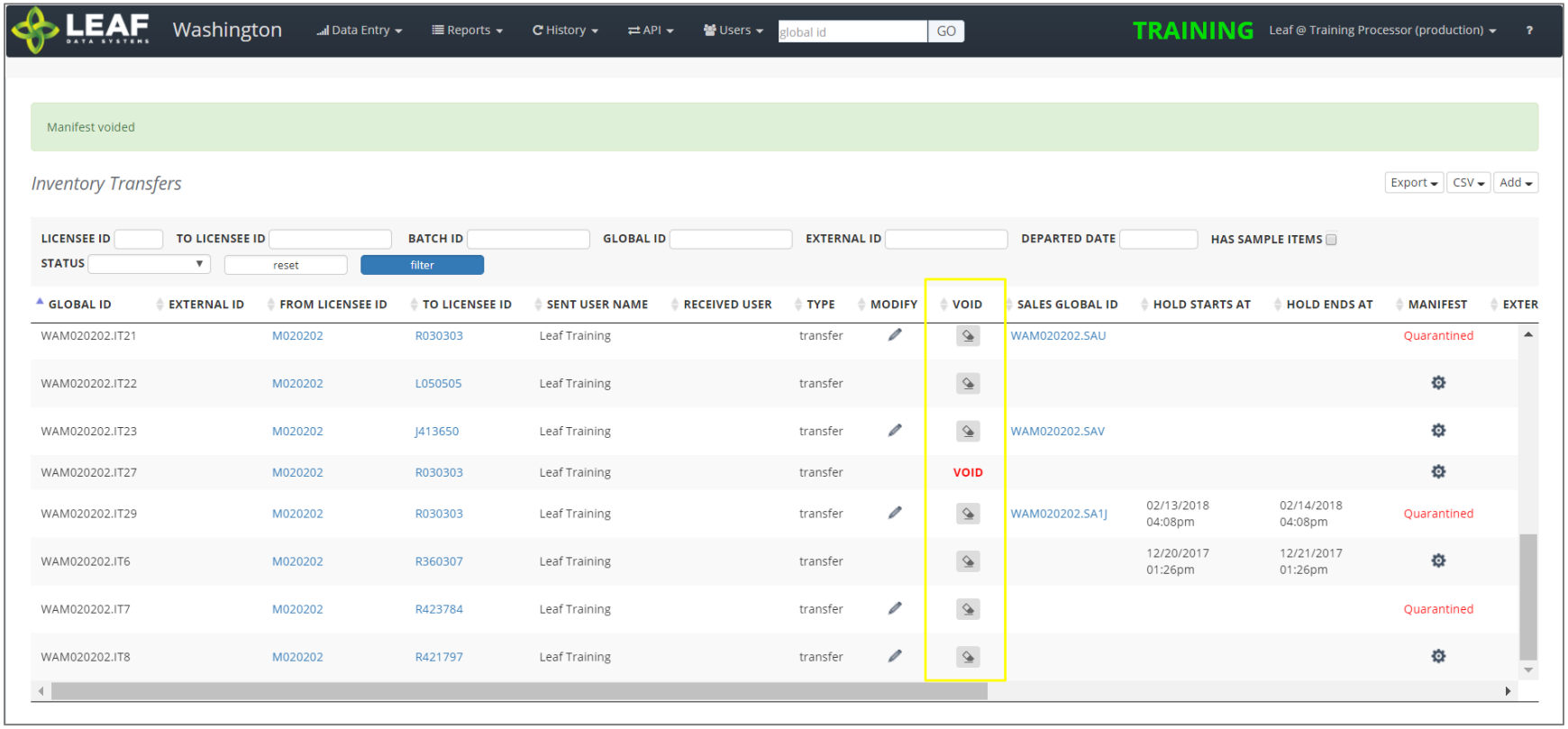
Voiding an Inventory Transfer

API:

To void an inventory transfer, use the "/inventory_transfers/void" workflow function

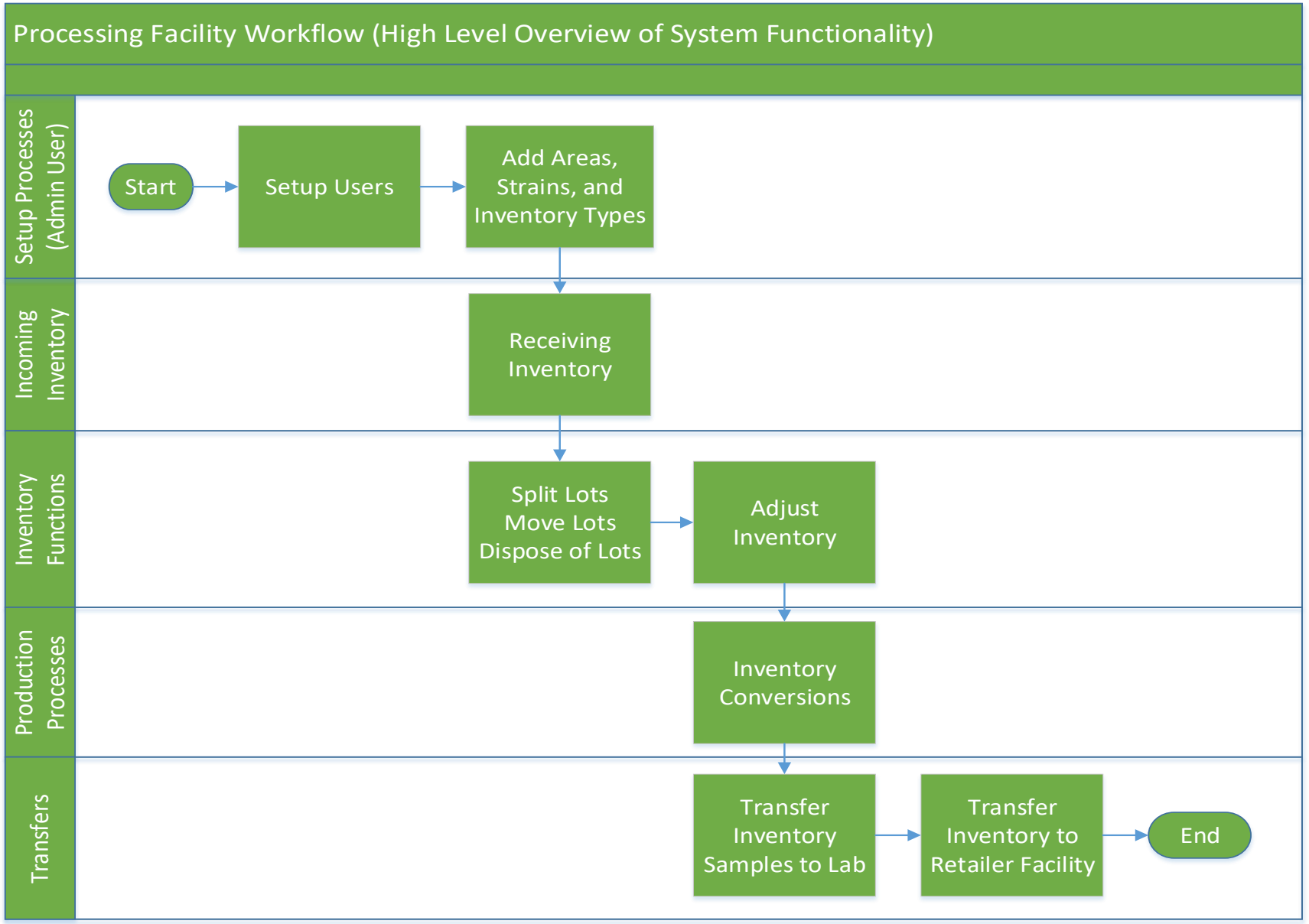
UI:

To void an Inventory Transfer record that has been created, navigate to ‘Data Entry→Inventory Transfers’. Search for the transfer you wish to modify and click the eraser icon in the “Void” column. Once a manifest has been voided, it will say “VOID” in red in this column.


LEAF DATA SYSTEMS
Washington
Data Entry
Reports
History
API
Users
global id
GO
TRAINING
Leaf @ Training Processor (production)
?
Manifest voided
Inventory Transfers
Export
CSV
Add
LICENSEE ID
TO LICENSEE ID
BATCH ID
GLOBAL ID
EXTERNAL ID
DEPARTED DATE
HAS SAMPLE ITEMS
STATUS
reset
filter
GLOBAL ID
EXTERNAL ID
FROM LICENSEE ID
TO LICENSEE ID
SENT USER NAME
RECEIVED USER
TYPE
MODIFY
VOID
SALES GLOBAL ID
HOLD STARTS AT
HOLD ENDS AT
MANIFEST
EXTER
WAM020202.IT21 M020202 R030303 Leaf Training transfer WAM020202.SAU Quarantined
WAM020202.IT22 M020202 L050505 Leaf Training transfer
WAM020202.IT23 M020202 J413650 Leaf Training transfer WAM020202.SAV
WAM020202.IT27 M020202 R030303 Leaf Training transfer VOID
WAM020202.IT29 M020202 R030303 Leaf Training transfer WAM020202.SA1J 02/13/2018 04:08pm 02/14/2018 04:08pm Quarantined
WAM020202.IT6 M020202 R360307 Leaf Training transfer 12/20/2017 01:26pm 12/21/2017 01:26pm
WAM020202.IT7 M020202 R423784 Leaf Training transfer Quarantined
WAM020202.IT8 M020202 R421797 Leaf Training transfer

PART TWO: Processing Facility Workflows

Processing Facility Workflow Diagram



Processor Facility Workflow Steps and Related API Calls

Business Process	Sub Processes	UI Component	Related API Calls	Description
Manage Users	Retrieve User Global IDs	Menu: Users Option: View	user (get)	User profiles give authorized individuals access to licensee facility data.
Manage Areas	Add area Assign Global ID Name Area Assign External ID Assign Area Type	Menu: Data Entry/Areas Option: Add	area (create)	Areas represent physical locations at licensed facilities where plants and inventory will be located.
	Modify area Edit Name Edit/Add External ID Reassign Area Type Delete Area	Menu: Data Entry/Areas Option: Modify (pencil)	area (get) area (update)	
Manage Strains	Add Strain Assign Global ID Name Strain Assign External ID	Menu: Data Entry/Strains Option: Add	strain (create)	Strains must be created for all strains of plants or strain-specific products that will be present at a licensed facility.
	Modify Strain	Menu: Data Entry/Strains	strain (get)	

Edit Name Option: Modify (pencil) strain (update)

Edit/Add External ID

Delete strain

Business Process	Sub Processes	UI Component	Related API Calls	Description
Manage Inventory Types	Add Inventory Type Name Inventory Type Assign Type of Inventory Type Assign External ID Enter UOM	Menu: Data Entry/Inventory Types Option: Add	inventory_type (create)	Inventory Types represent the concept of the products that will exist at a facility.
	Edit Inventory Type Edit Inventory Type Name Reassign Type of Inventory Type Reassign External ID Edit UOM Delete Inventory Type	Menu: Data Entry/Inventory Types Option: Modify (pencil)	inventory_type (get) inventory_type (update)	

Business Process	Sub Processes	UI Component	Related API Calls	Description
Destruction	Select Source (Batch/Plant/Inventory) Select respective Global id for the Batch/Plant/Inventory Set Disposal Date Set Inventory Type Set Reason for Disposal Set External ID	Menu: Data Entry Disposals Option: Add	disposal (create)	Destruction records can be created for plants, batches, and inventory lots.
	Edit Source (Batch/Plant/Inventory) Edit respective Global id for the Batch/Plant/Inventory Edit Disposal Date Edit Inventory Type Edit Reason for Disposal Edit External ID	Menu: Data Entry Disposals Option: Modify icon (pencil)	disposal (get) disposal (modify)	Destruction records may be modified to reflect any change to data that has been already entered.

Business Process	Sub Processes	UI Component	Related API Calls	Description
Inventory Creation	Set External ID Check as Initial Inventory Check as Medically Compliant Select Batch Id Select Inventory Type Designate Area Enter Quantity	Menu: Data Entry Lots Option: Add	inventory (create)	Use the 'inventory' data element for physical inventory that exists at the licensed facility. First, create inventory lots from a harvest batch.
	Edit External ID Check as Initial Inventory Check as Medically Compliant Edit Batch Id Edit Inventory Type Modify Area Edit Quantity	Menu: Data Entry Lots Option: Modify icon (pencil)	inventory (get) inventory (update)	Inventory lot attributes (other than the quantity) can be modified through the 'inventory' record.

Business Process	Sub Processes	UI Component	Related API Calls	Description
Inventory Management	Delete Lot	Menu: Data Entry/Lots Option: Delete (X symbol)	inventory (delete)	Inventory lots can be deleted if they were created in error.
	Set External ID Select Lot ID Set Quantity Describe Reason for Adjustment Enter Memo info	Menu: Data Entry /Inventory Adjustments Option: Add	inventory_adjustment (create)	'Inventory adjustments' are used to modify the quantity of an inventory lot with an assigned 'reason code'.
	Enter QTY moved to new Lot	Menu: Data Entry/Lots Option: Split Selected Lot	inventory (get) inventory (modify) inventory (create)	Lots can be split by decrementing the original lot where inventory is coming from, then creating a new lot that is associated to the same batch.
	Select input(s) and quantit(ies) Set External ID Select Inventory Type Indicate if Medically compliant Set Area Select UOM Enter Qty Enter Waste amount	Menu: Data Entry Inventory Conversion	inventory (get) inventory (modify) inventory (create)	This occurs when a processor converts bulk flower into intermediate products.

Enter Start Date

Enter End Date

Product Not Altered Attestation

Business Process	Sub Processes	UI Component	Related API Calls	Description
Inventory Transfers	Set External ID Select Destination Licensee Select Transporter (driver) Enter Est. Departure Enter Est. Arrival Date Enter Vehicle Description Enter Vehicle License Plate Attach Image of Manifest Designate Type of Transfer Add Lot(s) to Manifest including: Lot Number QTY Designate if Sample Designate if Non-mandatory Sample	Menu: Data Entry Inventory Transfers Option: Add Inventory Transfers	inventory_transfer (create)	'Inventory transfers' that are being created are saved with an 'open' status pending transfer.
	Enter Transporter (driver) Set Est Departure Datetime Set Est Arrival Datetime Enter Vehicle Description	Menu: Data Entry Inventory Transfers Option: Transporter Icon (pencil)	inventory_transfer_in_transit (create)	Once a transfer is leaving the sending facility, it can be designated as 'in transit' with this call.

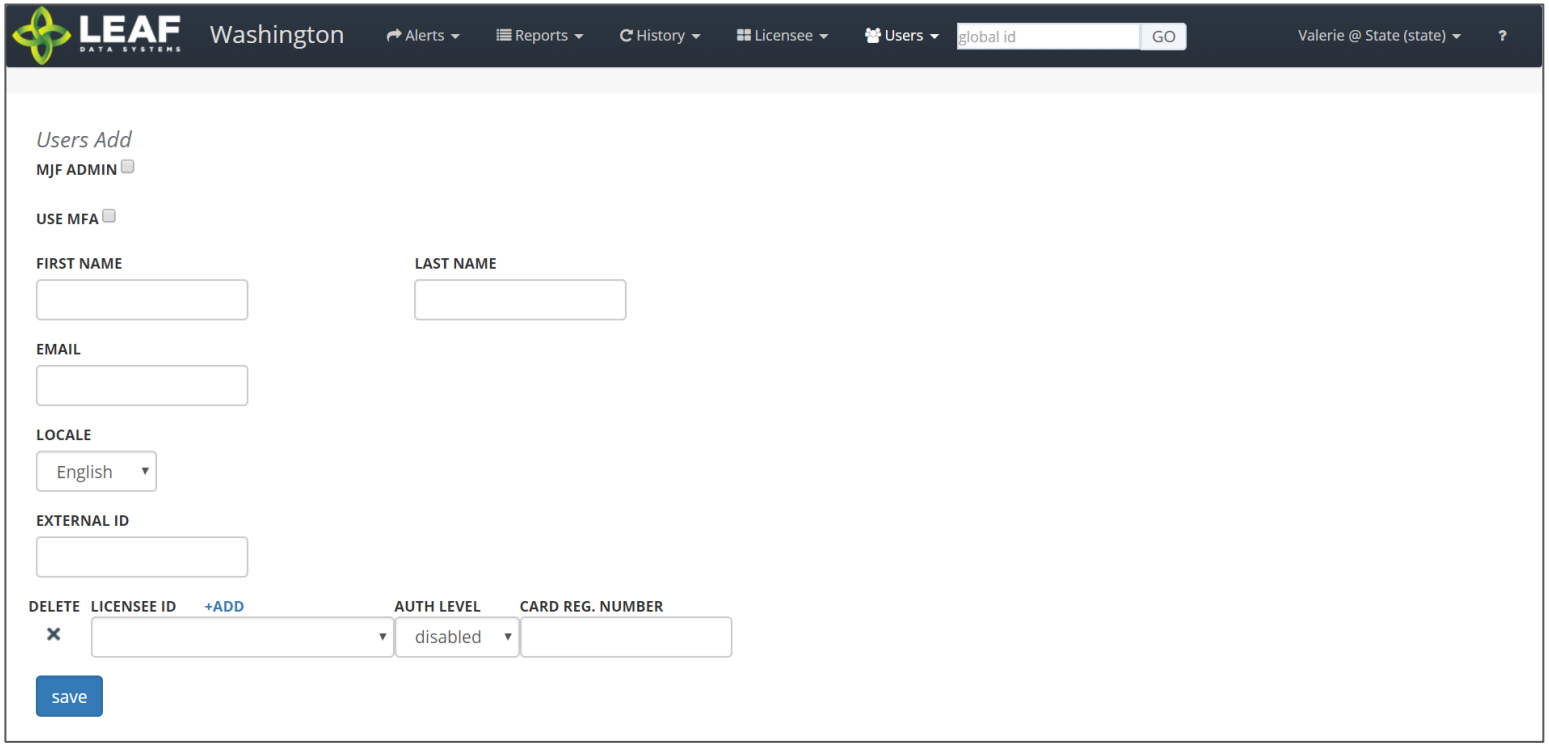
Enter License Plate	(Changing a Transfer status to 'In Transit')		
Enter Received QTY Designate Area Confirm Strain	Menu: Reports/Inventory Transfers/Receive Option: Receiving Icon (gear)	receive_transfer	To receive an inventory transfer from another licensee, use the 'receive_transfer' call to confirm the precise quantity of each item being received.

Processing Facility Workflow Steps Related to UI Workflows

Administrative Setup

Create User Profiles (UI ONLY)

To create a new user profile, navigate to 'Users→Add'.



1. **Use MFA:** ***Do not check this box because SAW is being used to authenticate into Leaf Data Systems.*** This feature has been deprecated and will be removed in a later release.
2. **First Name:** Type the first name of the user.
3. **Last Name:** Type the last name of the user.

4. **Email:** Enter the email address of the user.
5. **Locale:** Select the primary language of the user.
6. **External ID:** (optional field) Provides the ability to enter a secondary reference name/number for this record.
7. **Licensee ID:** From the drop-down menu, select the licensee(s) that the user should have access to.
8. **Delete:** Click the 'X' to delete a licensee row that has been added.
9. **Add:** Click the '+ADD' link to add more rows of licensees.
10. **Auth Level:** For each licensee that the user is assigned to, select an 'Authorization Level' from the drop-down menu.
    a. 'View' allows a user to see information present in Leaf Data without the ability to perform data functions.
    b. 'Edit' allows a user to view information in Leaf Data, as well as perform functions pertaining to day-to-day operations of the facility. The administrative setup functions described in this procedure are NOT able to be performed by a user with an 'edit' authorization level.
    c. 'Admin' allows a user access to all information and all functionality within Leaf Data that may be viewed or performed by the associated Licensee ID.
    d. 'Disabled' maintains a users profile in Leaf Data Systems while prohibiting the user from accessing the database.
11. **Card Reg. Number:** this field has been deprecated and will be removed in an upcoming release.
12. **Save:** Click the 'save' button to create the new user.

Viewing and Modifying Users

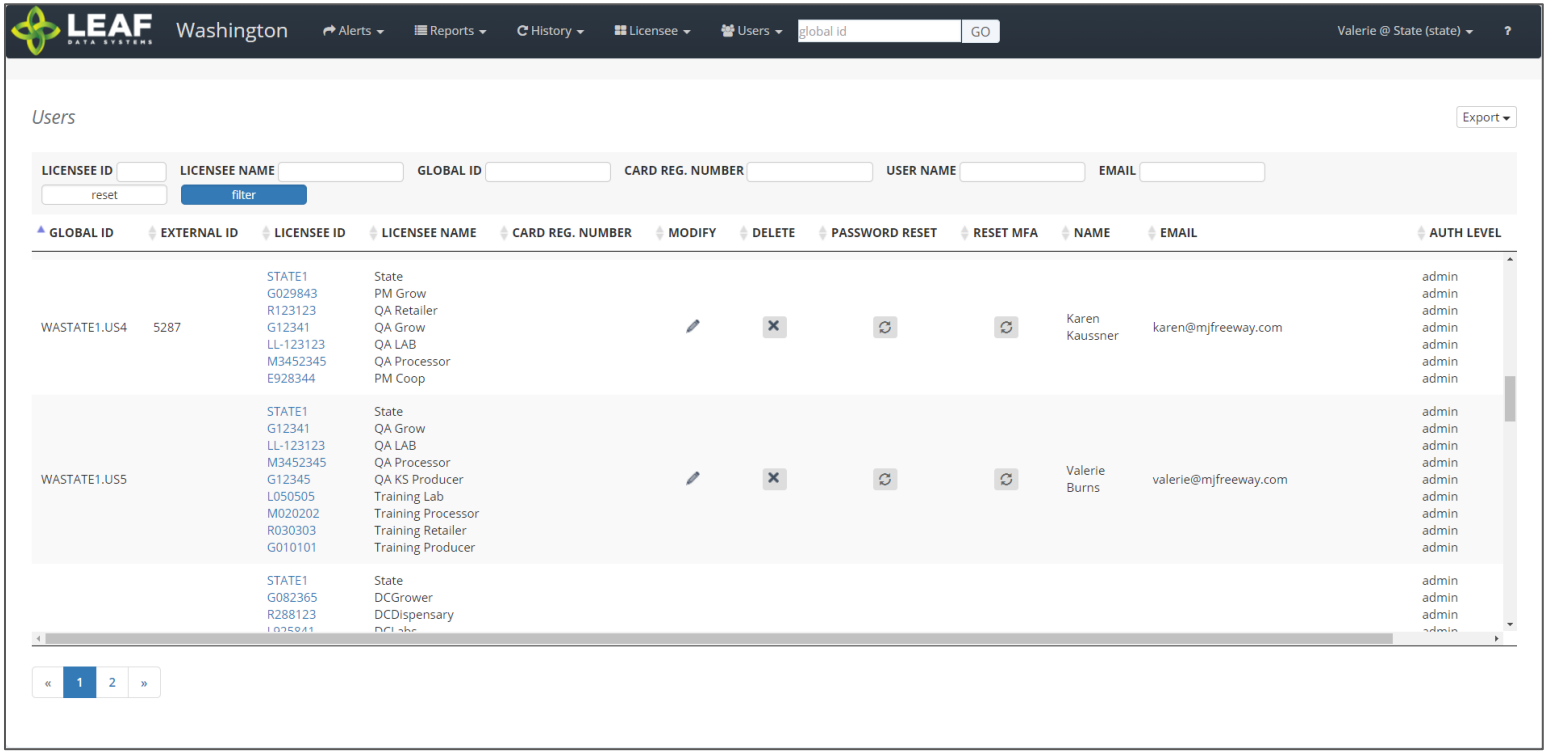
API:

Use the "/users" GET to retrieve data regarding users that have already been created

Users may only be created and modified via the UI

UI:

To view users that have been created within Leaf Data Systems, navigate to 'Users→View'. Use the filters and column headers to sort the data to find a specfic record. To modify the record, click the 'pen' icon in the 'Modify' column of the line item you wish to modify. Update the information that has changed, and click the 'Save' button to update the record.



Create Areas

API:

To retrieve a list of created areas, use the "/areas" GET call

To add areas, use the "/areas" CREATE call

To modify areas, use the "/areas" UPDATE call

To delete areas, use the "/areas" DELETE call

UI:

1. Navigate to 'Data Entry→Areas'.
2. To create a new area, click the 'add' button in the upper-right corner of the screen.
3. Enter a name for the area, then select the corresponding area type.
4. Click the 'save' button to create the area.
5. Repeat steps 2-4 until all physical locations where plants and product may exist are represented within Leaf Data.

Create Strains

API:

To retrieve a list of created strains, use the "/strains" GET call
To add strains, use the "/strains" CREATE call
To modify strains, use the "/strains" UPDATE call
To delete strains, use the "/strains" DELETE call

UI:

1. Navigate to 'Data Entry→Strains'.
2. To create a new strain, click the 'add' button in the upper-right corner of the screen.
3. Enter the strain name in the name field, then click the 'save' button to create the strain.
4. Repeat steps 3-4 until all strains that will be present at the facility are represented within Leaf Data.

Create Inventory Types

API:

To retrieve a list of created inventory_types, use the "/inventory_types" GET call
To add inventory_types, use the "/inventory_types" CREATE call
To modify inventory_types, use the "/inventory_types" UPDATE call
To delete inventory_types, use the "/inventory_types" DELETE call

UI:

1. Navigate to 'Data Entry→Inventory Types'.
2. Click the 'add' button in the upper-right corner of the screen.
3. In the 'Name' field, enter a name for the new inventory type, for example, the strain name followed by descriptive wording, such as 'flower' or 'other material'.
4. Select the 'category' and 'subcategory' that represent the inventory type being created.
5. Optionally, you may enter a description of the inventory type.
6. Select the unit of measure that corresponds to the inventory type being created: if the product is measured by its weight, select grams (gm) and if the product is measured by a piece count, select each (ea).
7. Once the form is complete, click the 'save' button to create the inventory type.

Understanding Batches

The purpose of using batches to group together plant and inventory records is two-fold. Batches assist with creating the traceability that the system is designed to offer. As well, batches allow producers to manage plants in any phase in groups, which enables mass actions to be applied to numerous records simultaneously. Batches are not intended to constrain activities involving plant movement, as plants can be shifted from one batch to another and do not have exclusive relationships with batches they are added to.

Batch types include propagation material, plant, harvest, and intermediate/end product.

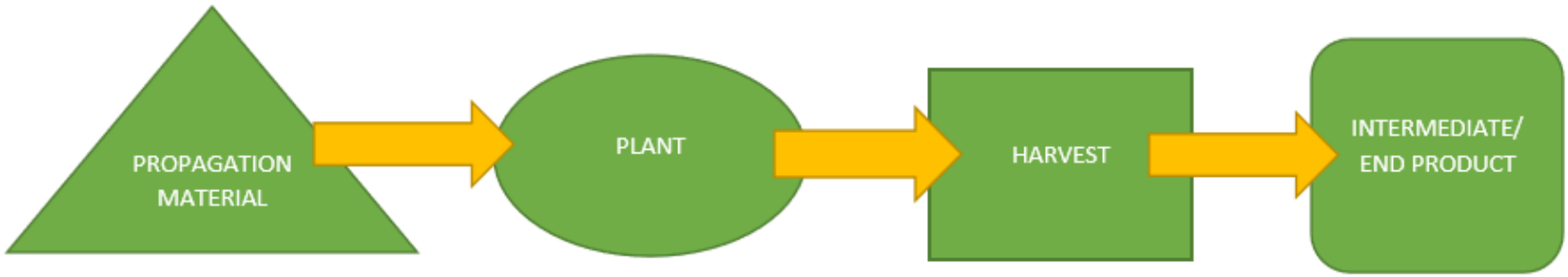
'Propagation Material' batches are used to create inventory lots of seeds, clones, and plant tissue so that these plants can be tracked as inventory throughout their propagation phase. As plants shift from their propagation to vegetative phase, they are moved to plants at which point the plant records are associated with a 'plant' type batch.

'Plant' batches are a group of plants from the same strain, that are growing together within their vegetative and flowering phases. Attributes of all of the plants within a batch can be modified at the batch level, which will apply changes across all of the plant records.

'Harvest' batches represent a group of harvested material that is all the same strain. These types of batches are used to denote both 'wet' and 'dry' weight of 'flower' and 'other material' produced during the harvest. Resultant dry weight from a harvest batch is separated into 'inventory lots'.

'Intermediate/end product' batches are batches that consist of multiple harvest batches being combined, for example, combining two different strains to make a blended concentrate product. They can also be comprised of a single harvest batch that has been converted into an intermediate or end product.

Visualization of the Batch Life Cycle



Inventory Functions

As product is packaged and prepared for sale, there are multiple functions that may be necessary to be performed. Once lots are created, they can be split into multiple lots, moved from area to area, and disposed of (either partially, or in full).

Splitting Lots

API:

To split an inventory lot, use the "/split_inventory" workflow function

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that must be split.
2. In the filter menu of the page, enter the gram weight of the new lot to be created into the 'Qty' field (adjacent to the 'split selected lot' button).
3. Click the 'split selected lot' button.
4. The designated quantity will be shifted into its own lot, and the original lot will contain the remaining weight.

Moving Lots

API:

To update the area of inventory lots, use the "/inventories" UPDATE call

UI:

1. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that is being moved to a new physical location.
2. In the filter menu of the page, select the new area for the lot from the 'Move to Area' drop-down menu (adjacent to the 'move selected lots' button).
3. Click the 'move selected lots' button.
4. The designated lot will be shifted into the new area that has been selected.

Destructions

API:

To retrieve a list of created disposals, use the "/disposals" GET call
To add disposals, use the "/disposals" CREATE call
To modify disposals, use the "/disposals" UPDATE call
To delete disposals, use the "/disposals" DELETE call

UI:

1. Navigate to 'Data Entry→Lots'.
2. Within the line item of the lots that is being adjusted due to a disposal, click the 'Dispose' icon at the far-right side of the record.
3. From the 'Source' drop-down menu, confirm that 'Inventory' is selected.
4. From the 'Lot' drop-down menu, confirm the global ID of the lot being destroyed.
5. From the 'Reason' drop-down menu, select the reason that is most appropriate for the destruction record being created.
6. Click the 'Actual Date of Destruction' field to enter the date when the waste was created.
7. In the 'Qty' field, enter the weight of the product that is being disposed of.
8. Click the 'save' button to create the new destruction record.
9. Once the record has been created, a resultant inventory lot representing the waste material will be created which can be found under 'Data Entry→Lots'.
10. Once the quarantine period is over, to document the physical disposal of the waste inventory, navigate to 'Data Entry→Destructions', find the line item of the destruction record, and click the 'Dispose' icon in the 'Dispose' column.

Inventory Adjustments

API:

To retrieve a list of created inventory_adjustments, use the "/inventory_adjustments" GET call
To add inventory_adjustments, use the "/inventory_adjustments" CREATE call
To modify inventory_adjustments, use the "/inventory_adjustments" UPDATE call
To delete inventory_adjustments, use the "/inventory_adjustments" DELETE call

UI:

1. Navigate to 'Data Entry→Inventory Adjustments'.
2. Click the 'add' button in the upper-right corner of the screen to create a new adjustment.
3. From the 'Lot' drop-down menu, select the lot that is to be adjusted.
4. In the 'Qty' field, enter the weight being adjusted from the package (and NOT the new package weight). For example, if 100 grams is being added to the lot, type "100", however, if 100 grams if being decremented from the lot, type "-100".
5. From the 'Reason' drop-down menu, select the reason that the adjustment is being documented.
6. *(Optional)* In the memo field, add any additional notes that better explain the reason for the adjustment.
7. Click the 'save' button.

Inventory Conversions

API:

To perform a conversion, use the "/conversions" workflow function

UI:

1. Navigate to 'Data Entry→Conversions'.
2. From the 'Inputs' drop-down menu, select the lot(s) of inventory that represents the conversion "input". Additional inventory lots may be selected by clicking the '+add' link next to the 'Inputs' heading.
3. In the adjacent 'Qty' field, enter the amount from each original lot that is being converted.
4. Under the 'Conversion Output' section, from the 'Inventory Type' drop-down menu, select the target inventory item. *NOTE: For conversions to pre-packaged items that are priced-by-weight, inventory items for each pricing weight of each strain must be created prior to performing the conversion process.*
5. From the 'Strain' drop-down menu, select the appropriate strain if the conversion output is strain-specific. Otherwise, leave this selection blank.
6. From the 'Area' drop-down menu, select the physical location where the new lots will be stored.
7. From the 'UOM' drop-down menu, select 'ea' to create pre-packaged simple inventory.
8. In the 'Qty' field, enter the weight/quantity of the "output" product being created.
9. In the 'Waste (gm)' field, enter the weight of any waste associated with this conversion.
10. Check the 'Product not Altered' checkbox if the conversion taking place is not changing the product, such that new qa results are required (for example, pre-packaging flower into units as end products).
11. Click the 'save' button to perform the conversion.

Inventory Transfers

Inventory Transfers are records that document the movement of inventory from one licensed facility (or testing laboratory) to another.

Three Different Manifest Types

When creating an inventory transfer, it is important to first understand the three types that are available.

A **Delivery** manifest is a standard transfer where the sender will be responsible for completing all of the transfer information, to include:

g. The Recipient
h. The Driver Name(s)
i. Estimated Departure and Arrival Times
j. Vehicle Information (License Plate, Vehicle Description, and Vehicle VIN)
k. Inventory to be Transferred
l. Price Total per line item

The general workflow of a **Delivery** manifest is that the sender is performing the physical transport of the inventory to the receiver. In this workflow, *only* the sending facility can mark the transfer as "in transit".

A **Pickup** manifest allows for the receiver to fill out the driver, trip, and vehicle information (b, c, and d in the list above). This is designed to facilitate a workflow in which the receiver is performing the physical transport of the inventory.

With a **Pickup** manifest type, either the sender *or* the receiver is able to mark the inventory transfer as "in transit".

A **Licensed Transporter** manifest allows for the sending facility to select a licensed transporter business to perform the physical transport of the inventory. Upon selection of this manifest type, the driver and vehicle information are not necessary, and those fields are removed from the inventory transfer page.

Now that you understand the different types of inventory transfers/manifests available, let's take a look at inventory transfer creation.

NOTE: "Multi-Stop" functionality is currently not available in Leaf Data Systems. This is being developed for a future release. PLEASE DO NOT SELECT the "Part of Multi-Stop" checkbox visible upon creating an inventory transfer. As well, the "Inventory Transfers/Deliveries" data entry listing and report will not be useable until this functionality has been completed.

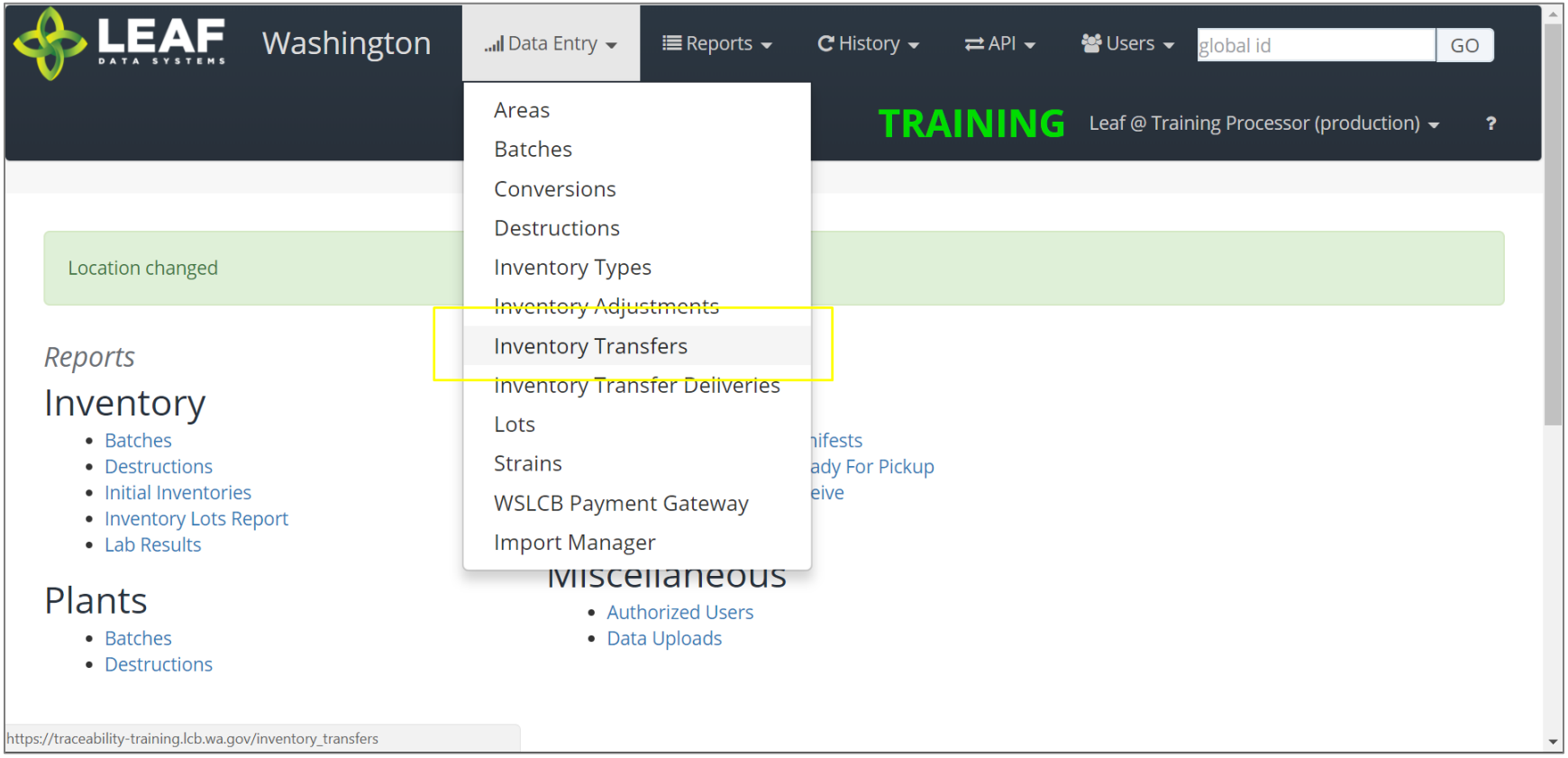
How to Create an Inventory Transfer

API:

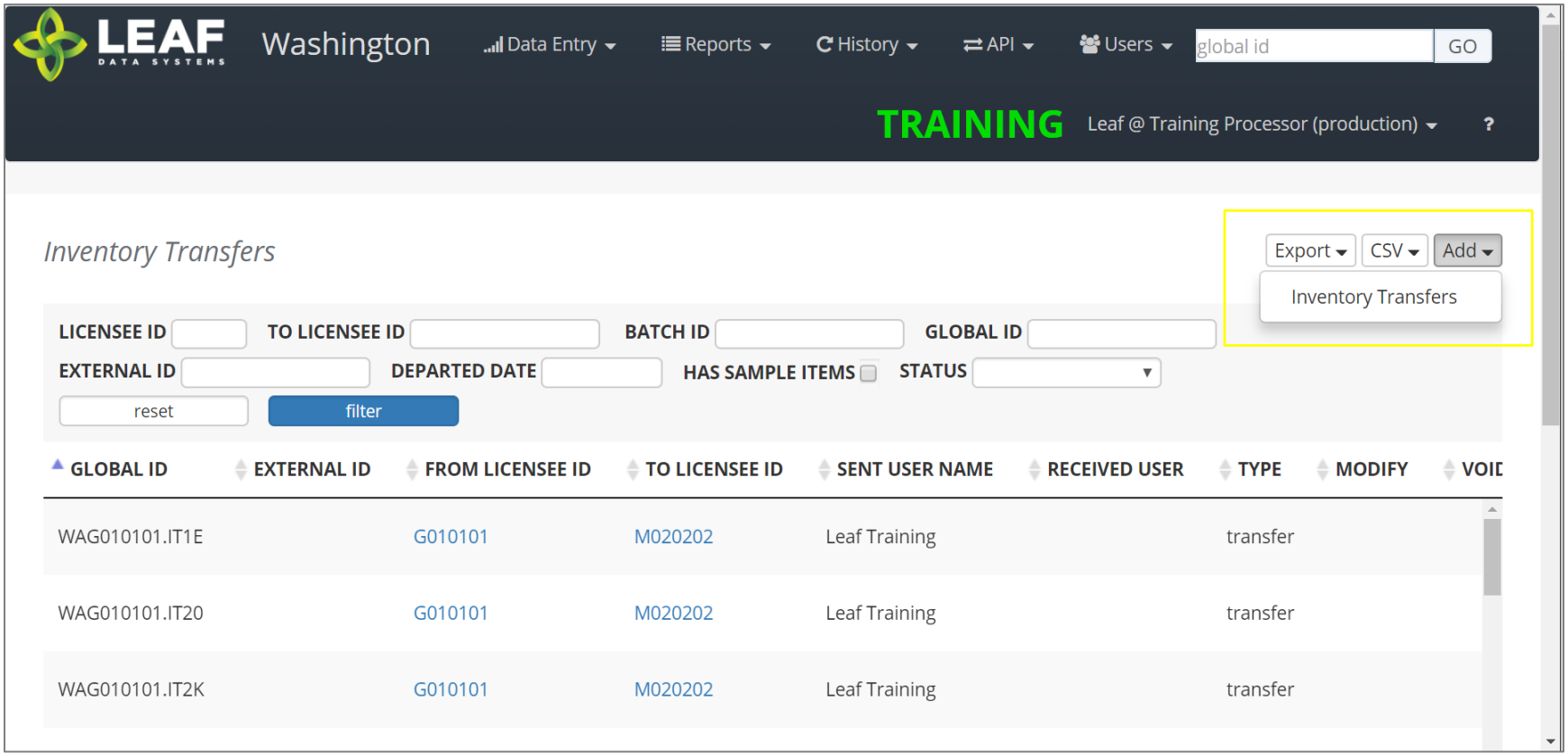
To retrieve a list of created inventory_transfers, use the "/inventory_transfers" GET call
To add inventory_transfers, use the "/inventory_transfers" CREATE call

UI:

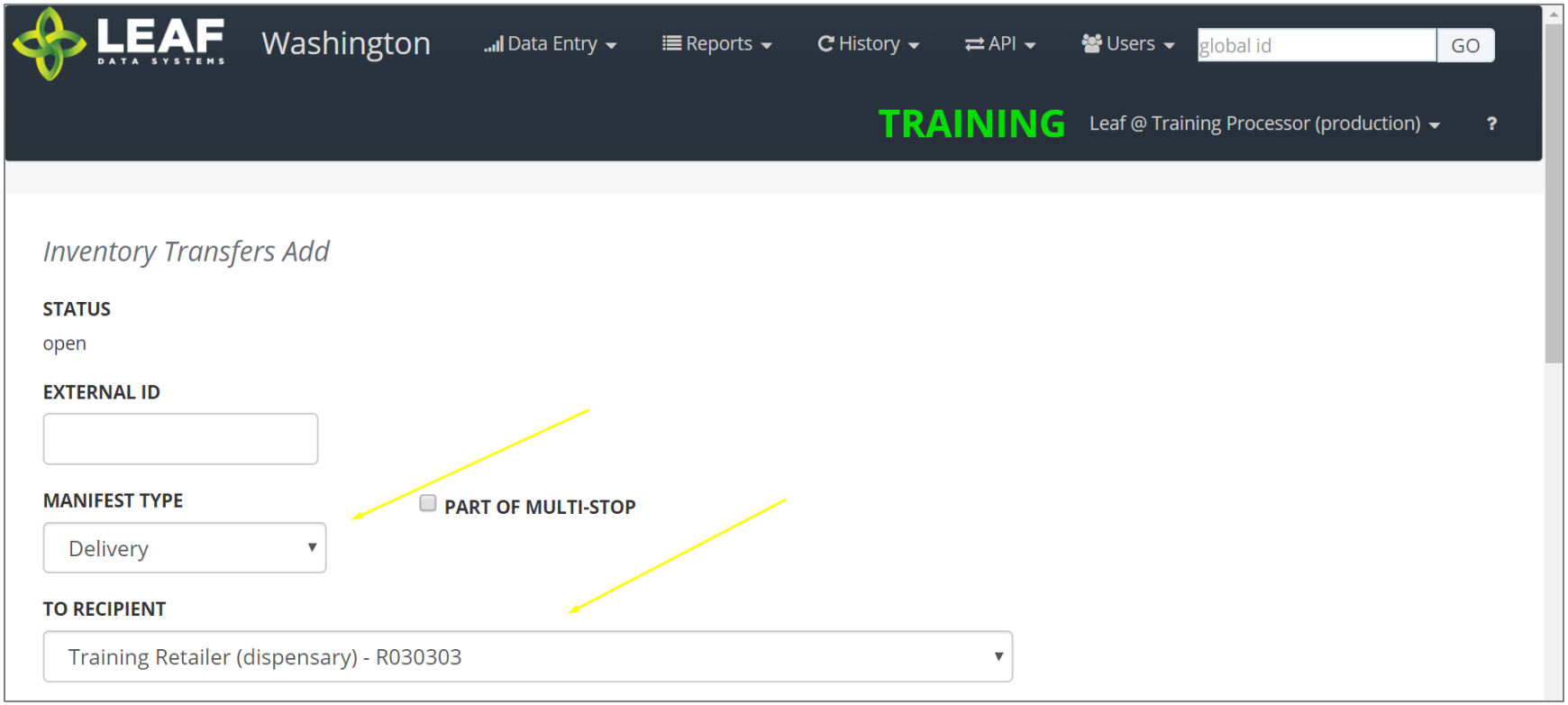
First, navigate to 'Data Entry→Inventory Transfers':



The page displayed will show a listing of all inventory transfers that have been created at the facility. To create a new inventory transfer, click the 'Add' button in the upper-right corner, then click 'Inventory Transfers'.

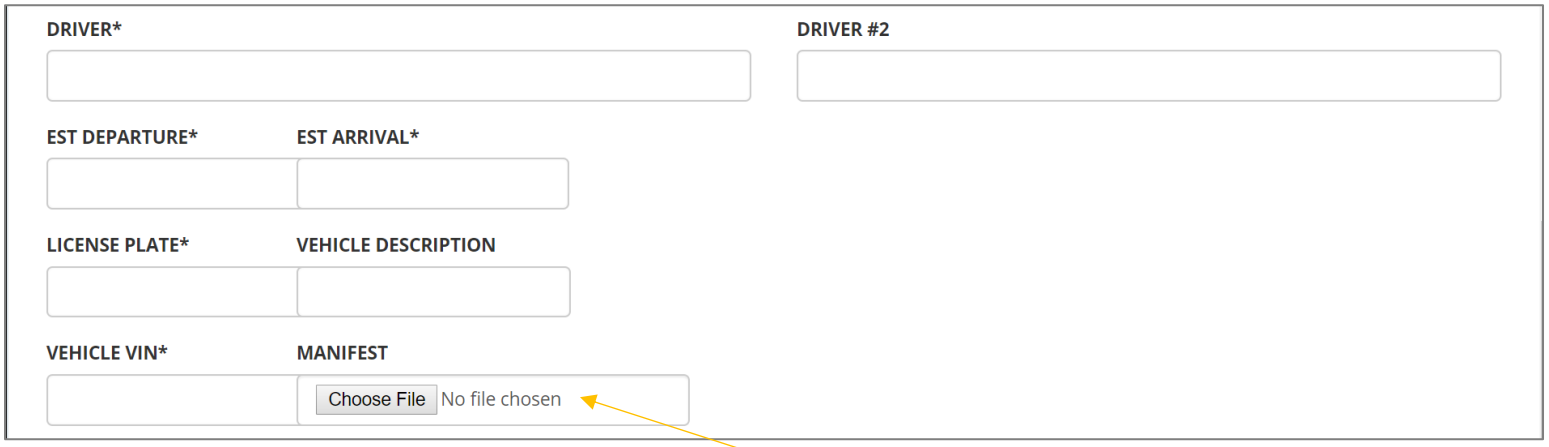


The first section of the inventory transfer allows for selection of the manifest type (discussed in the previous section), and the ability to choose the intended recipient of the transfer.

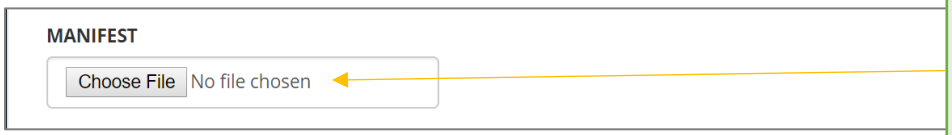


Once you complete these two selections, scroll down to the next section.

For a manifest type of “delivery” the next section will look like this:



For a manifest type of “pickup” the same section will look like this:



NOTE: The “Manifest” field that allows for upload of an external manifest is not necessary if you are using the Leaf Data Systems user interface directly. Leaf will generate a manifest for you upon creation of the inventory transfer.

For a manifest type of “licensed transporter” the same section will look like this:

Complete all of the fields available based on the manifest type selected in the previous step, then scroll down.

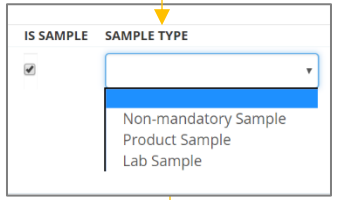
Finally, you will need to select the inventory being transferred. There are a couple of other important designations related to this inventory.

Start typing the global ID or name of the inventory lot to be transferred. To add more lots, click the "+ADD" link above the field.

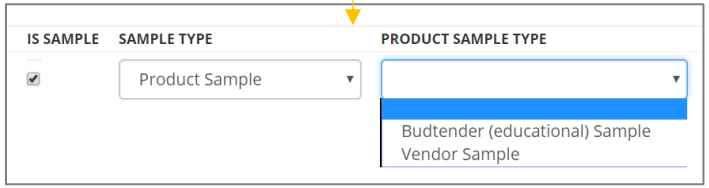
Select the quantity of the lot to be transferred.

The unit of measure is determined by the "inventory type" of the inventory lot.

If inventory being transferred from a Producer to a Processor is designated as being for extraction purposes, check this box



Values entered into this field for each line item will generate a wholesale transaction record upon creation of the inventory transfer. This total represents the total price of the line item (not the unit price).



For Samples, click the "is sample" checkbox to allow for selection of "Sample Type". "Sample Types" include:

Non-Mandatory Sample-used to request non-mandatory testing from a QA lab (results will NOT appear in Leaf)

Product Sample-used to designate educational and vendor samples, causing a secondary drop-down to appear for selection of "Product Sample" type

Lab Sample—a sample being sent to a testing lab for required QA testing; selecting this sample type enables selection of the "Retest" checkbox to denote that an inventory lot is being retested

Once all of the applicable forms have been completed,

click the 'Save' button to create the transfer.

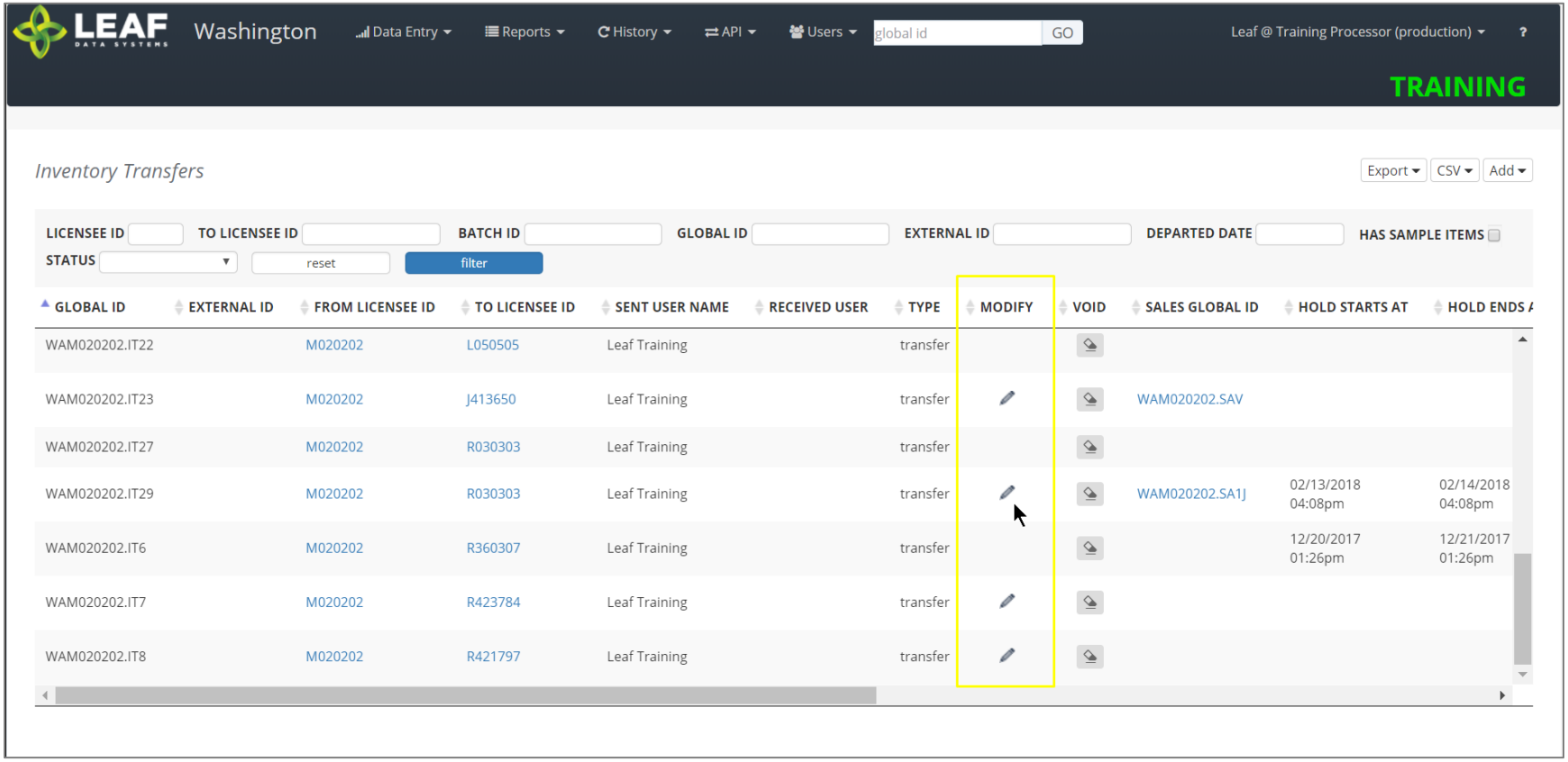
Modifying an Inventory Transfer

API:

To modify inventory_transfers, use the "/inventory_transfers" UPDATE call

UI:

To modify an Inventory Transfer record that has been created, navigate to 'Data Entry→Inventory Transfers'. Search for the transfer you wish to modify and click the pen icon in the "Modify" column.



This will take to back to a page similar to the screen where you created the transfer, and you can modify any information.

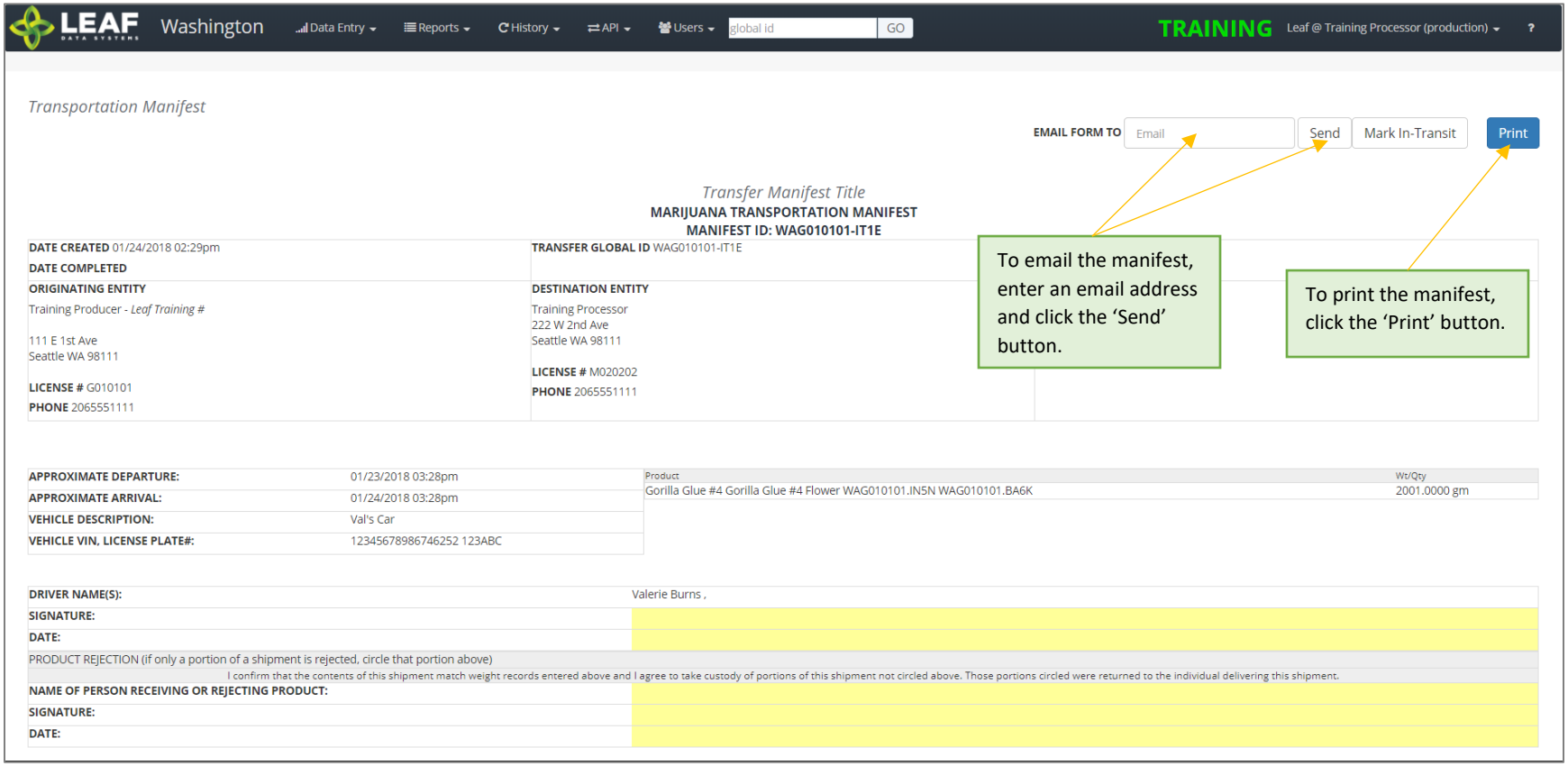
Viewing and Printing the Manifest

API:

Manifests created through a third party software solution can be associated with the inventory transfer record by creating a base-64 encoded file and including it in the CREATE call

UI:

To view and print a manifest, navigate to "Data Entry→Inventory Transfers" (as in the previous step), and search for the inventory transfer record you wish to view the manifest for. Click the gear icon in the "Manifest" column of the line item. This will produce the following:



NOTE: If you are unable to see the "gear" icon due to the word "Quarantine" in its place, this means that *AT LEAST ONE* of the inventory lots associated with the transfer does not have the appropriate lab results (or lab result attestation, for initial inventory) associated. Please double-check the lab results or lab results attestation for each lot.

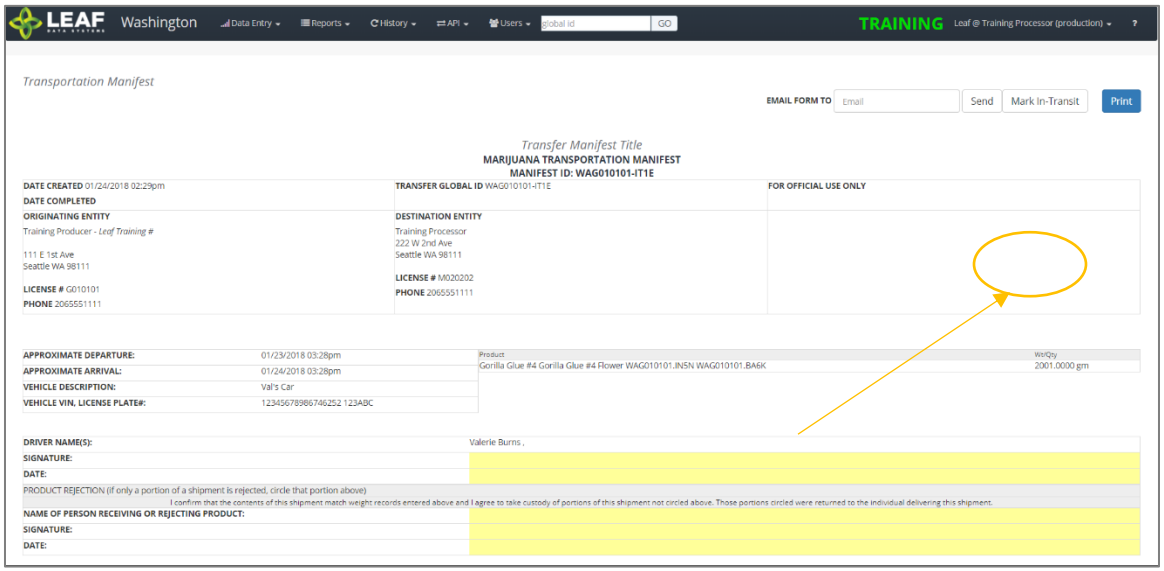
Marking an Inventory Transfer as "In Transit"

API:

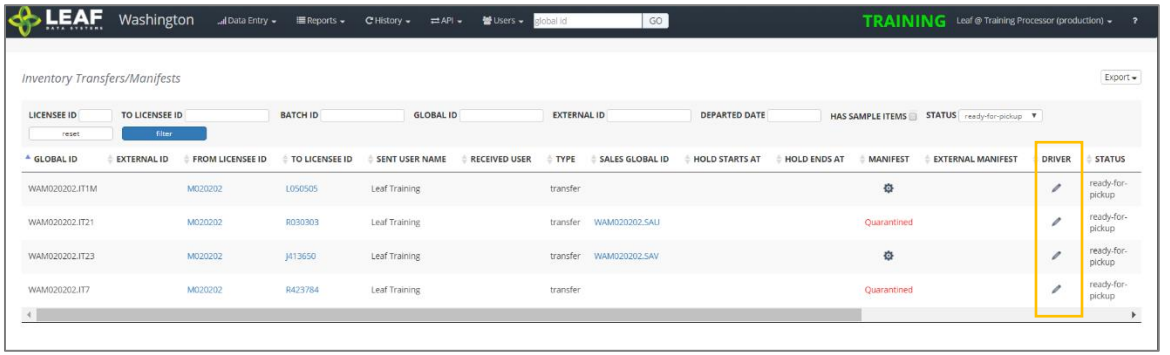
To mark a transfer as "in transit", use the "/inventory_transfers_in_transit" workflow function

UI:

From the manifest view (see previous step for navigation to manifest), click the "Mark In-Transit" button in the upper-right corner of the manifest. This will change the status of the manifest from "open" to "in-transit". Once a manifest is designated as "in-transit", it can no longer be modified, only received. If a manifest is marked as "in-transit" in error, the only option is to "Void" the manifest (see final section of this document) and re-create it.



For a “pickup” manifest, once the sender has created the manifest record, the receiver should navigate to “Reports→Inventory Transfers/Ready-for-Pickup”. Then, search for the manifest that is ready for pickup, and click the pen icon in the “Driver” column. This will allow the receiver to complete the driver and vehicle information pertaining to the transfer. A receiver would use the same process denoted above to mark the transfer as “in transit”.



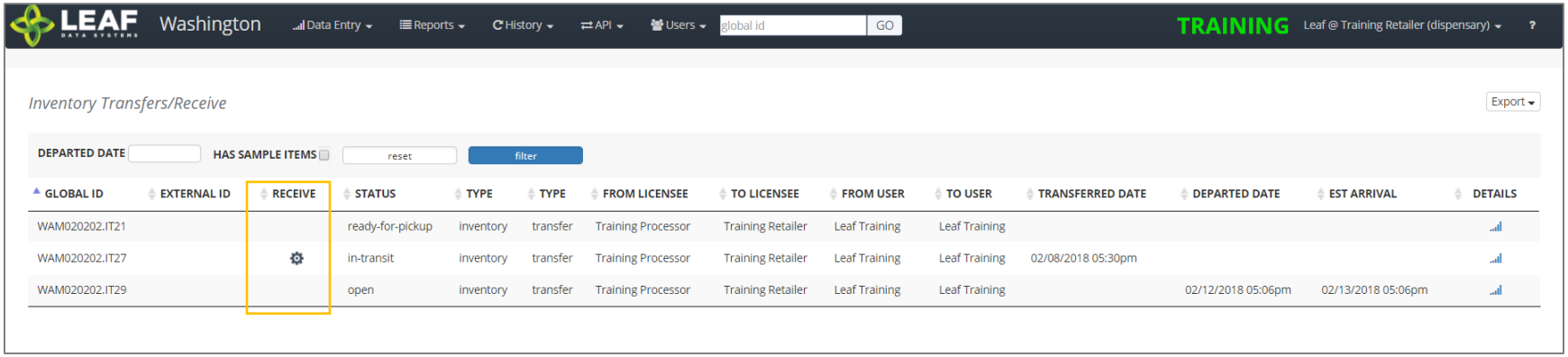
Receiving an Inventory Transfer

API:

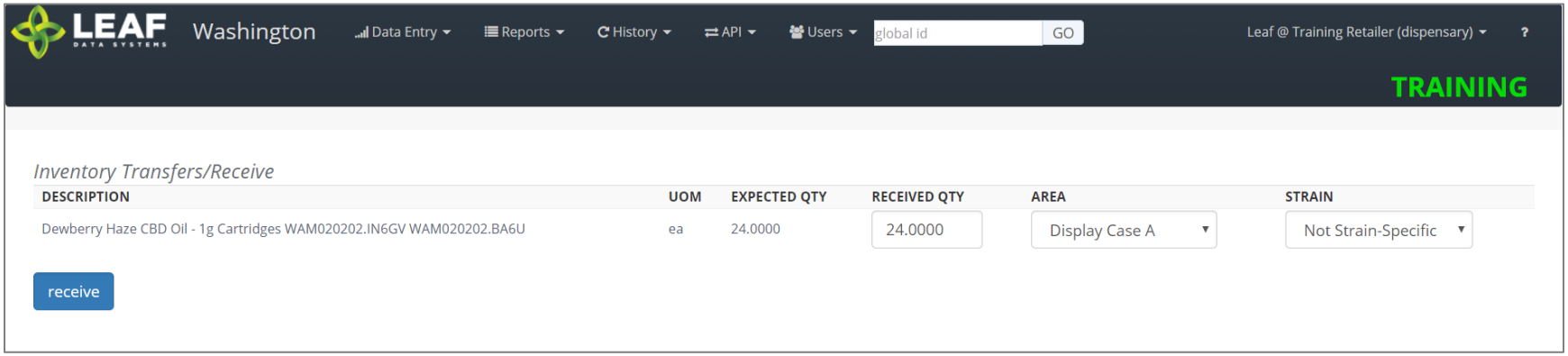
To receive an inventory transfer, use the "/inventory_transfers/api_receive" (receive transfer) workflow function

UI:

Once an inventory transfer has been marked as “in-transit”, receiver can accept the inventory into their facility by navigating to “Reports→Inventory Transfers/Receive”.



Search for the transfer to be received, then click the gear icon in the “Receive” column. On the screen that appears (below), enter the received quantities for each line item of the transfer. Select an ‘Area’ from the drop-down menu to receive the inventory into. Finally, if the product is strain-specific, select the local strain associated with it. If it is not strain-specific, the default value in this field will denote this.



Click the ‘receive’ button once all of the information for each line item has been completed.

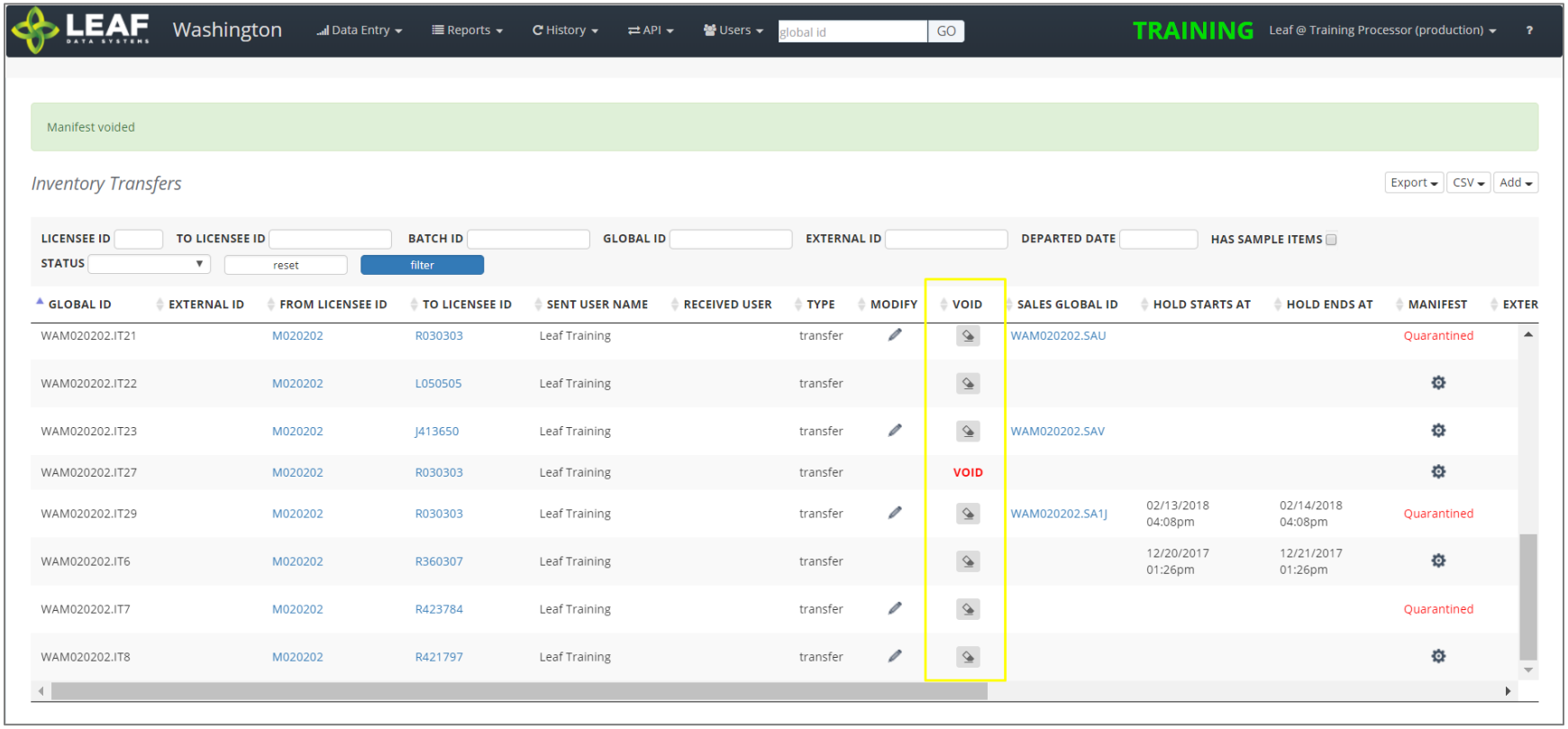
Voiding an Inventory Transfer

API:

To void an inventory transfer, use the "/inventory_transfers/void" workflow function

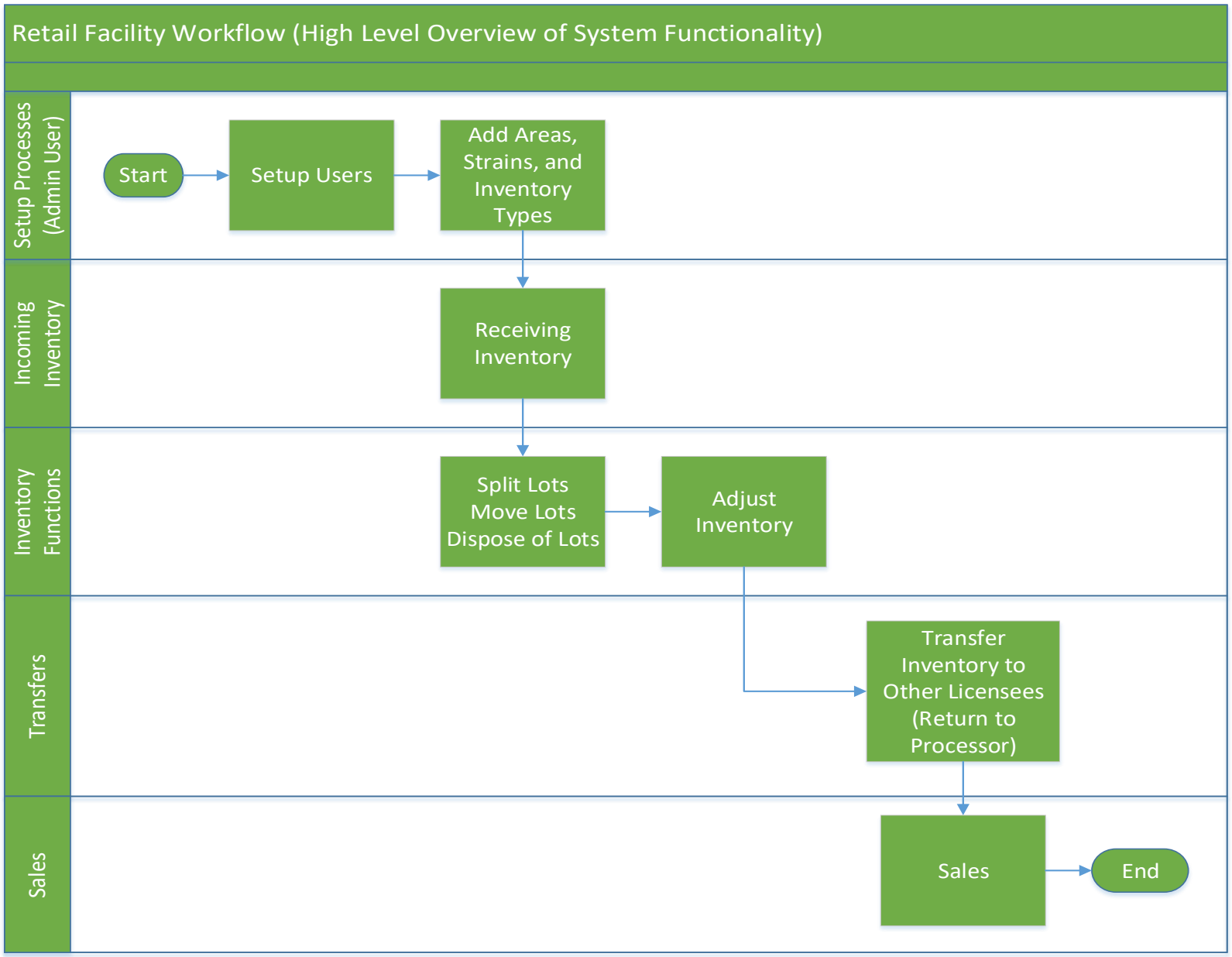
UI:

To void an Inventory Transfer record that has been created, navigate to ‘Data Entry→Inventory Transfers’. Search for the transfer you wish to modify and click the eraser icon in the “Void” column. Once a manifest has been voided, it will say “VOID” in red in this column.


LEAF DATA SYSTEMS
Washington
Data Entry
Reports
History
API
Users
global id
GO
TRAINING
Leaf @ Training Processor (production)
Manifest voided
Inventory Transfers
Export
CSV
Add
LICENSEE ID
TO LICENSEE ID
BATCH ID
GLOBAL ID
EXTERNAL ID
DEPARTED DATE
HAS SAMPLE ITEMS
STATUS
reset
filter
GLOBAL ID
EXTERNAL ID
FROM LICENSEE ID
TO LICENSEE ID
SENT USER NAME
RECEIVED USER
TYPE
MODIFY
VOID
SALES GLOBAL ID
HOLD STARTS AT
HOLD ENDS AT
MANIFEST
EXTER
WAM020202.IT21 M020202 R030303 Leaf Training transfer WAM020202.SAU Quarantined
WAM020202.IT22 M020202 L050505 Leaf Training transfer
WAM020202.IT23 M020202 J413650 Leaf Training transfer WAM020202.SAV
WAM020202.IT27 M020202 R030303 Leaf Training transfer VOID
WAM020202.IT29 M020202 R030303 Leaf Training transfer WAM020202.SA1J 02/13/2018 04:08pm 02/14/2018 04:08pm Quarantined
WAM020202.IT6 M020202 R360307 Leaf Training transfer 12/20/2017 01:26pm 12/21/2017 01:26pm
WAM020202.IT7 M020202 R423784 Leaf Training transfer Quarantined
WAM020202.IT8 M020202 R421797 Leaf Training transfer

PART THREE: Retailer Facility Workflows

Retailer Facility Workflow Diagram



Retail Facility Workflow Steps and Related API Calls

Business Process	Sub Processes	UI Component	Related API Calls	Description
Manage Users	Retrieve User Global IDs	Menu: Users Option: View	user (get)	User profiles give authorized individuals access to licensee facility data.
Manage Areas	Add area Assign Global ID Name Area Assign External ID Assign Area Type	Menu: Data Entry/Areas Option: Add	area (create)	Areas represent physical locations at licensed facilities where plants and inventory will be located.
	Modify area Edit Name Edit/Add External ID Reassign Area Type Delete Area	Menu: Data Entry/Areas Option: Modify (pencil)	area (get) area (update)	
Manage Strains	Add Strain Assign Global ID Name Strain Assign External ID	Menu: Data Entry/Strains Option: Add	strain (create)	Strains must be created for all strain-specific products that will be present at a licensed facility.
	Modify Strain	Menu: Data Entry/Strains	strain (get)	

Edit Name	Option: Modify (pencil)	strain (update)
Edit/Add External ID		
Delete strain		

Business Process	Sub Processes	UI Component	Related API Calls	Description
Manage Inventory Types	Add Inventory Type Name Inventory Type Assign Type of Inventory Type Assign External ID Enter UOM	Menu: Data Entry/Inventory Types Option: Add	inventory_type (create)	Inventory Types represent the concept of the products that will exist at a facility.
	Edit Inventory Type Edit Inventory Type Name Reassign Type of Inventory Type Reassign External ID Edit UOM Delete Inventory Type	Menu: Data Entry/Inventory Types Option: Modify (pencil)	inventory_type (get) inventory_type (update)	

Business Process	Sub Processes	UI Component	Related API Calls	Description
Destruction	Select Source (Batch/Plant/Inventory) Select respective Global id for the Batch/Plant/Inventory Set Disposal Date Set Inventory Type Set Reason for Disposal Set External ID	Menu: Data Entry Disposals Option: Add	disposal (create)	Destruction records can be created for plants, batches, and inventory lots.
	Edit Source (Batch/Plant/Inventory) Edit respective Global id for the Batch/Plant/Inventory Edit Disposal Date Edit Inventory Type Edit Reason for Disposal Edit External ID	Menu: Data Entry Disposals Option: Modify icon (pencil)	disposal (get) disposal (modify)	Destruction records may be modified to reflect any change to data that has been already entered.

Business Process	Sub Processes	UI Component	Related API Calls	Description
Inventory Creation	Set External ID Check as Initial Inventory Check as Medically Compliant Select Batch Id Select Inventory Type Designate Area Set Expiration Date Enter Quantity	Menu: Data Entry Lots Option: Add	inventory (create)	Use the 'inventory' data element for physical inventory that exists at the licensed facility. First, create inventory lots from a harvest batch.
	Edit External ID Check as Initial Inventory Check as Medically Compliant Edit Batch Id Edit Inventory Type Modify Area Edit Expiration Date Edit Quantity Edit UOM Edit Additives	Menu: Data Entry Lots Option: Modify icon (pencil)	inventory (get) inventory (update)	Inventory lot attributes (other than the quantity) can be modified through the 'inventory' record.

Business Process	Sub Processes	UI Component	Related API Calls	Description
Inventory Management	Delete Lot	Menu: Data Entry Lots Option: Delete (X symbol)	inventory (delete)	Inventory lots may be deleted if they are entered in error.
	Set External ID Select Lot ID Set Quantity Describe Reason for Adjustment Enter Memo info	Menu: Data Entry Inventory Adjustments Option: Add	inventory_adjustment (create)	'Inventory adjustments' are used to modify the quantity of an inventory lot with an assigned 'reason code'.
	Enter QTY moved to new Lot	Menu: Data Entry/Lots Option: Split Selected Lot	inventory (get) inventory (modify) inventory (create)	Lots can be split by decrementing the original lot where inventory is coming from, then creating a new lot that is associated to the same batch.
	Select input(s) and quantit(ies) Set External ID Select Inventory Type Indicate if Medically compliant Set Area Select UOM Enter Qty Enter Waste amount	Menu: Data Entry Inventory Conversion	inventory (get) inventory (modify) inventory (create)	This occurs when a dispensary converts bulk flower into pre-packaged flower.

Enter Start Date

Enter End Date

Product Not Altered Attestation

Business Process	Sub Processes	UI Component	Related API Calls	Description
Inventory Transfers	Set External ID Select Destination Licensee Select Transporter (driver) Enter Est. Departure Enter Est. Arrival Date Enter Vehicle Description Enter Vehicle License Plate Attach Image of Manifest Designate Type of Transfer Add Lot(s) to Manifest including: Lot Number QTY Designate if Sample Designate if Non-mandatory Sample	Menu: Data Entry Inventory Transfers Option: Add Inventory Transfers	inventory_transfer (create)	'Inventory transfers' that are being created are saved with an 'open' status pending transfer.
	Enter Transporter (driver) Set Est Departure Datetime Set Est Arrival Datetime Enter Vehicle Description	Menu: Data Entry Inventory Transfers Option: Transporter Icon (pencil)	inventory_transfer_in_transit (create)	Once a transfer is leaving the sending facility, it can be designated as 'in transit' with this call.

Enter License Plate	(Changing a Transfer status to 'In Transit')		
Enter Received QTY Designate Area Confirm Strain	Menu: Reports/Inventory Transfers/Receive Option: Receiving Icon (gear)	receive_transfer	To receive an inventory transfer from another licensee, use the 'receive_transfer' call to confirm the precise quantity of each item being received.

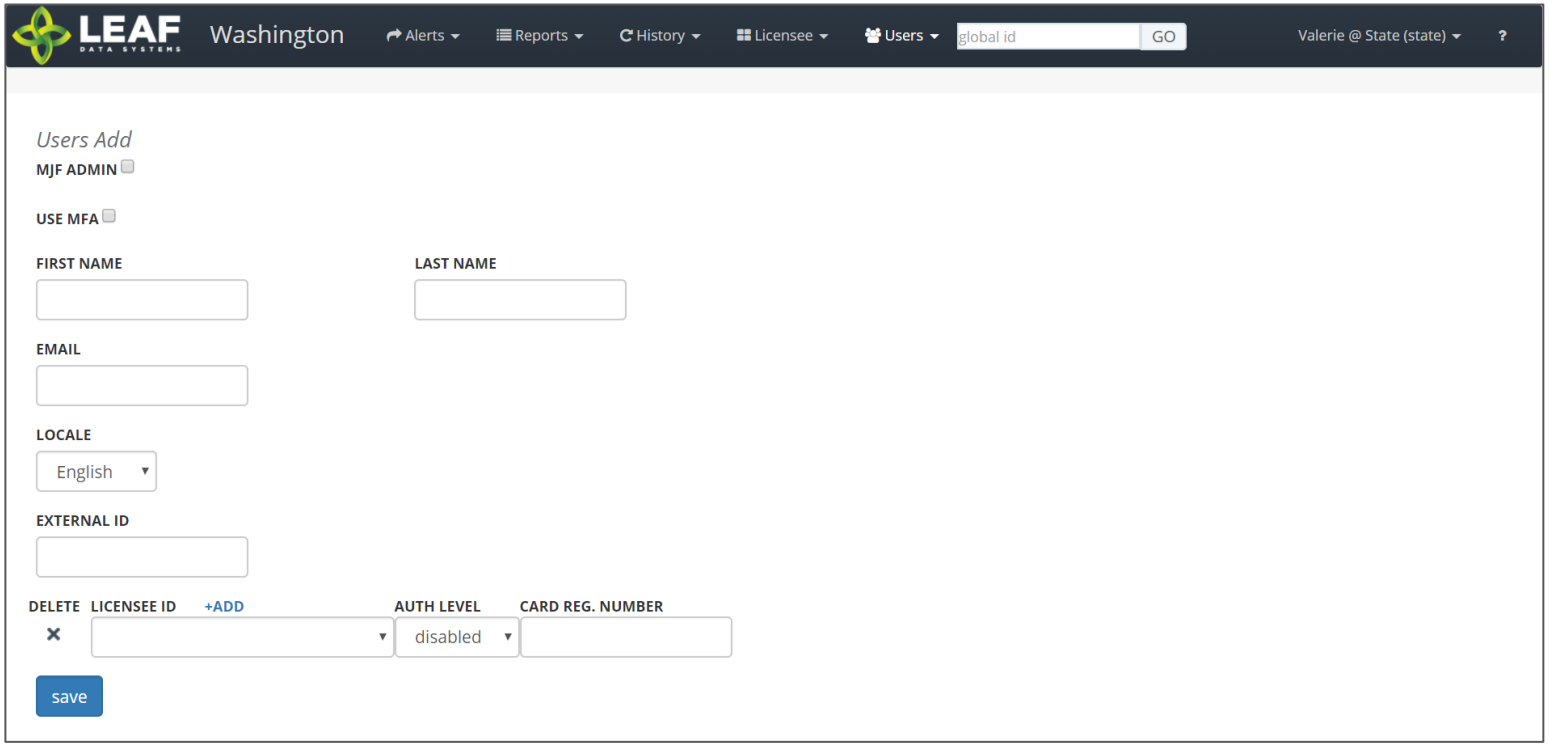
Business Process	Sub Processes	UI Component	Related API Calls	Description
Sales	Set External ID Select Area Select Status Select Type of Sale Select lot(s) Enter Qty	Menu: Data Entry/Sales Option: Add	sale (add)	Sales to customers are logged by creating a sale record. This record can be designated as a type of “retail_medical” or “retail_recreational”
	Edit External ID Edit Area Edit Status Edit Type of Sale Edit lot(s) Edit Qty	Menu: Data Entry/Sales Option: Modify Icon (pencil)	sale (get) sale (modify)—coming soon!	Sale records may be modified to correct details of the transaction.

Retailer Facility Workflow Steps Related to UI Workflows

Administrative Setup

Create User Profiles (UI ONLY)

To create a new user profile, navigate to 'Users→Add'.



13. **Use MFA:** ***Do not check this box because SAW is being used to authenticate into Leaf Data Systems.*** This feature has been deprecated and will be removed in a later release.
14. **First Name:** Type the first name of the user.
15. **Last Name:** Type the last name of the user.

16. **Email:** Enter the email address of the user.
17. **Locale:** Select the primary language of the user.
18. **External ID:** (optional field) Provides the ability to enter a secondary reference name/number for this record.
19. **Licensee ID:** From the drop-down menu, select the licensee(s) that the user should have access to.
20. **Delete:** Click the 'X' to delete a licensee row that has been added.
21. **Add:** Click the '+ADD' link to add more rows of licensees.
22. **Auth Level:** For each licensee that the user is assigned to, select an 'Authorization Level' from the drop-down menu.
    a. 'View' allows a user to see information present in Leaf Data without the ability to perform data functions.
    b. 'Edit' allows a user to view information in Leaf Data, as well as perform functions pertaining to day-to-day operations of the facility. The administrative setup functions described in this procedure are NOT able to be performed by a user with an 'edit' authorization level.
    c. 'Admin' allows a user access to all information and all functionality within Leaf Data that may be viewed or performed by the associated Licensee ID.
    d. 'Disabled' maintains a users profile in Leaf Data Systems while prohibiting the user from accessing the database.
23. **Card Reg. Number:** this field has been deprecated and will be removed in an upcoming release.
24. **Save:** Click the 'save' button to create the new user.

Viewing and Modifying Users

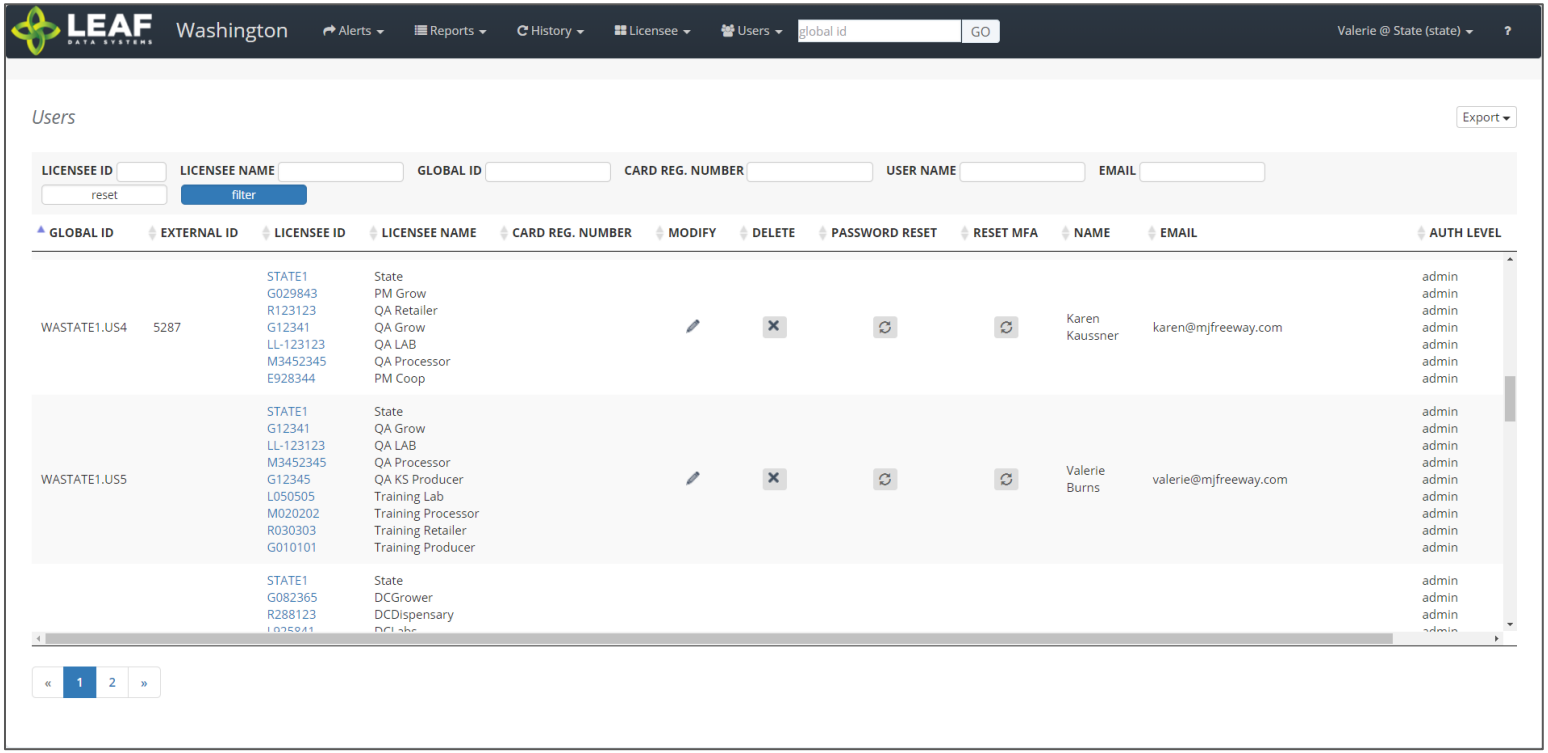
API:

Use the "/users" GET to retrieve data regarding users that have already been created

Users may only be created and modified via the UI

UI:

To view users that have been created within Leaf Data Systems, navigate to 'Users→View'. Use the filters and column headers to sort the data to find a specfic record. To modify the record, click the 'pen' icon in the 'Modify' column of the line item you wish to modify. Update the information that has changed, and click the 'Save' button to update the record.



Create Areas

API:

To retrieve a list of created areas, use the "/areas" GET call

To add areas, use the "/areas" CREATE call

To modify areas, use the "/areas" UPDATE call

To delete areas, use the "/areas" DELETE call

UI:

6. Navigate to 'Data Entry→Areas'.
7. To create a new area, click the 'add' button in the upper-right corner of the screen.
8. Enter a name for the area, then select the corresponding area type.
9. Click the 'save' button to create the area.
10. Repeat steps 2-4 until all physical locations where plants and product may exist are represented within Leaf Data.

Create Strains

API:

To retrieve a list of created strains, use the "/strains" GET call
To add strains, use the "/strains" CREATE call
To modify strains, use the "/strains" UPDATE call
To delete strains, use the "/strains" DELETE call

UI:

5. Navigate to 'Data Entry→Strains'.
6. To create a new strain, click the 'add' button in the upper-right corner of the screen.
7. Enter the strain name in the name field, then click the 'save' button to create the strain.
8. Repeat steps 3-4 until all strains that will be present at the facility are represented within Leaf Data.

Create Inventory Types

API:

To retrieve a list of created inventory_types, use the "/inventory_types" GET call
To add inventory_types, use the "/inventory_types" CREATE call
To modify inventory_types, use the "/inventory_types" UPDATE call
To delete inventory_types, use the "/inventory_types" DELETE call

UI:

8. Navigate to 'Data Entry→Inventory Types'.
9. Click the 'add' button in the upper-right corner of the screen.
10. In the 'Name' field, enter a name for the new inventory type, for example, the strain name followed by descriptive wording, such as 'flower' or 'other material'.
11. Select the 'category' and 'subcategory' that represent the inventory type being created.
12. Optionally, you may enter a description of the inventory type.
13. Select the unit of measure that corresponds to the inventory type being created: if the product is measured by its weight, select grams (gm) and if the product is measured by a piece count, select each (ea).
14. Once the form is complete, click the 'save' button to create the inventory type.

Understanding Batches

The purpose of using batches to group together plant and inventory records is two-fold. Batches assist with creating the traceability that the system is designed to offer. As well, batches allow producers to manage plants in any phase in groups, which enables mass actions to be applied to numerous records simultaneously. Batches are not intended to constrain activities involving plant movement, as plants can be shifted from one batch to another and do not have exclusive relationships with batches they are added to.

Batch types include propagation material, plant, harvest, and intermediate/end product.

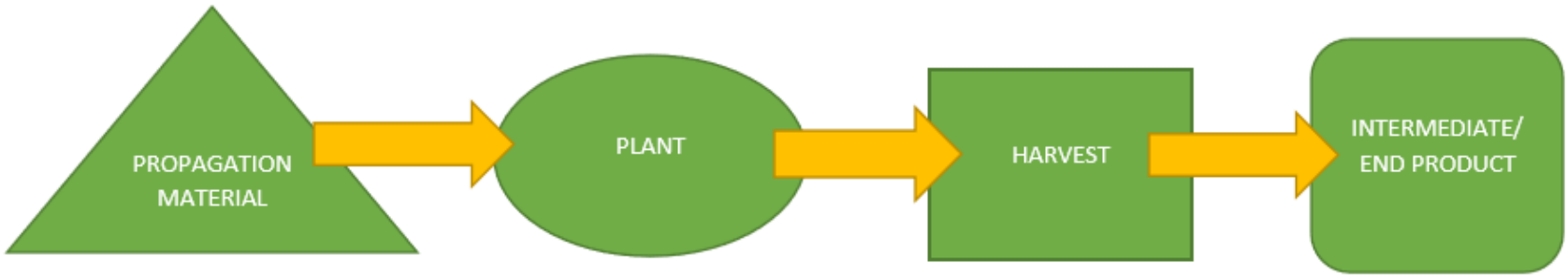
'Propagation Material' batches are used to create inventory lots of seeds, clones, and plant tissue so that these plants can be tracked as inventory throughout their propagation phase. As plants shift from their propagation to vegetative phase, they are moved to plants at which point the plant records are associated with a 'plant' type batch.

'Plant' batches are a group of plants from the same strain, that are growing together within their vegetative and flowering phases. Attributes of all of the plants within a batch can be modified at the batch level, which will apply changes across all of the plant records.

'Harvest' batches represent a group of harvested material that is all the same strain. These types of batches are used to denote both 'wet' and 'dry' weight of 'flower' and 'other material' produced during the harvest. Resultant dry weight from a harvest batch is separated into 'inventory lots'.

'Intermediate/end product' batches are batches that consist of multiple harvest batches being combined, for example, combining two different strains to make a blended concentrate product. They can also be comprised of a single harvest batch that has been converted into an intermediate or end product.

Visualization of the Batch Life Cycle



Inventory Functions

As product is packaged and prepared for sale, there are multiple functions that may be necessary to be performed. Once lots are created, they can be split into multiple lots, moved from area to area, and disposed of (either partially, or in full).

Splitting Lots

API:

To split an inventory lot, use the "/split_inventory" workflow function

UI:

5. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that must be split.
6. In the filter menu of the page, enter the gram weight of the new lot to be created into the 'Qty' field (adjacent to the 'split selected lot' button).
7. Click the 'split selected lot' button.
8. The designated quantity will be shifted into its own lot, and the original lot will contain the remaining weight.

Moving Lots

API:

To update the area of inventory lots, use the "/inventories" UPDATE call

UI:

5. Navigate to 'Data Entry→Lots' and click the checkbox on the line item of the lot that is being moved to a new physical location.
6. In the filter menu of the page, select the new area for the lot from the 'Move to Area' drop-down menu (adjacent to the 'move selected lots' button).
7. Click the 'move selected lots' button.
8. The designated lot will be shifted into the new area that has been selected.

Destructions

API:

To retrieve a list of created disposals, use the "/disposals" GET call
To add disposals, use the "/disposals" CREATE call
To modify disposals, use the "/disposals" UPDATE call
To delete disposals, use the "/disposals" DELETE call

UI:

11. Navigate to 'Data Entry→Lots'.
12. Within the line item of the lots that is being adjusted due to a disposal, click the 'Dispose' icon at the far-right side of the record.
13. From the 'Source' drop-down menu, confirm that 'Inventory' is selected.
14. From the 'Lot' drop-down menu, confirm the global ID of the lot being destroyed.
15. From the 'Reason' drop-down menu, select the reason that is most appropriate for the destruction record being created.
16. Click the 'Actual Date of Destruction' field to enter the date when the waste was created.
17. In the 'Qty' field, enter the weight of the product that is being disposed of.
18. Click the 'save' button to create the new destruction record.
19. Once the record has been created, a resultant inventory lot representing the waste material will be created which can be found under 'Data Entry→Lots'.
20. Once the quarantine period is over, to document the physical disposal of the waste inventory, navigate to 'Data Entry→Destructions', find the line item of the destruction record, and click the 'Dispose' icon in the 'Dispose' column.

Inventory Adjustments

API:

To retrieve a list of created inventory_adjustments, use the "/inventory_adjustments" GET call
To add inventory_adjustments, use the "/inventory_adjustments" CREATE call
To modify inventory_adjustments, use the "/inventory_adjustments" UPDATE call
To delete inventory_adjustments, use the "/inventory_adjustments" DELETE call

UI:

8. Navigate to 'Data Entry→Inventory Adjustments'.
9. Click the 'add' button in the upper-right corner of the screen to create a new adjustment.
10. From the 'Lot' drop-down menu, select the lot that is to be adjusted.
11. In the 'Qty' field, enter the weight being adjusted from the package (and NOT the new package weight). For example, if 100 grams is being added to the lot, type "100", however, if 100 grams if being decremented from the lot, type "-100".
12. From the 'Reason' drop-down menu, select the reason that the adjustment is being documented.
13. *(Optional)* In the memo field, add any additional notes that better explain the reason for the adjustment.
14. Click the 'save' button.

Sales

API:

To retrieve a list of created sales, use the "/sales" GET call

To add sales, use the "/sales" CREATE call

UI:

1. Navigate to 'Data Entry→Sales'.
2. Click the 'Add' button in the upper-right corner of the screen.
3. From the 'Status' drop-down menu, select 'sale' or 'return', as appropriate for the transaction being entered.
4. From the 'Type' drop-down menu, select 'retail – medical' or 'retail - recreational
5. From the 'Lot' drop-down menu, select the lot that the product sold came from.
6. In the 'Qty' field, enter the amount of the selected lot that was sold.
7. In the 'Discount' field, enter any discount (in dollars) applied to the sale.
8. To add additional items, click the '+Add' link adjacent to the 'Lot' drop-down menu and repeat steps 6-8.
9. Click the 'save' button to create the sale records.

Inventory Transfers

Inventory Transfers are records that document the movement of inventory from one licensed facility (or testing laboratory) to another.

Three Different Manifest Types

When creating an inventory transfer, it is important to first understand the three types that are available.

A **Delivery** manifest is a standard transfer where the sender will be responsible for completing all of the transfer information, to include:

m. The Recipient
n. The Driver Name(s)
o. Estimated Departure and Arrival Times
p. Vehicle Information (License Plate, Vehicle Description, and Vehicle VIN)
q. Inventory to be Transferred
r. Price Total per line item

The general workflow of a **Delivery** manifest is that the sender is performing the physical transport of the inventory to the receiver. In this workflow, *only* the sending facility can mark the transfer as "in transit".

A **Pickup** manifest allows for the receiver to fill out the driver, trip, and vehicle information (b, c, and d in the list above). This is designed to facilitate a workflow in which the receiver is performing the physical transport of the inventory.

With a **Pickup** manifest type, either the sender *or* the receiver is able to mark the inventory transfer as "in transit".

A **Licensed Transporter** manifest allows for the sending facility to select a licensed transporter business to perform the physical transport of the inventory. Upon selection of this manifest type, the driver and vehicle information are not necessary, and those fields are removed from the inventory transfer page.

Now that you understand the different types of inventory transfers/manifests available, let's take a look at inventory transfer creation.

NOTE: "Multi-Stop" functionality is currently not available in Leaf Data Systems. This is being developed for a future release. PLEASE DO NOT SELECT the "Part of Multi-Stop" checkbox visible upon creating an inventory transfer. As well, the "Inventory Transfers/Deliveries" data entry listing and report will not be useable until this functionality has been completed.

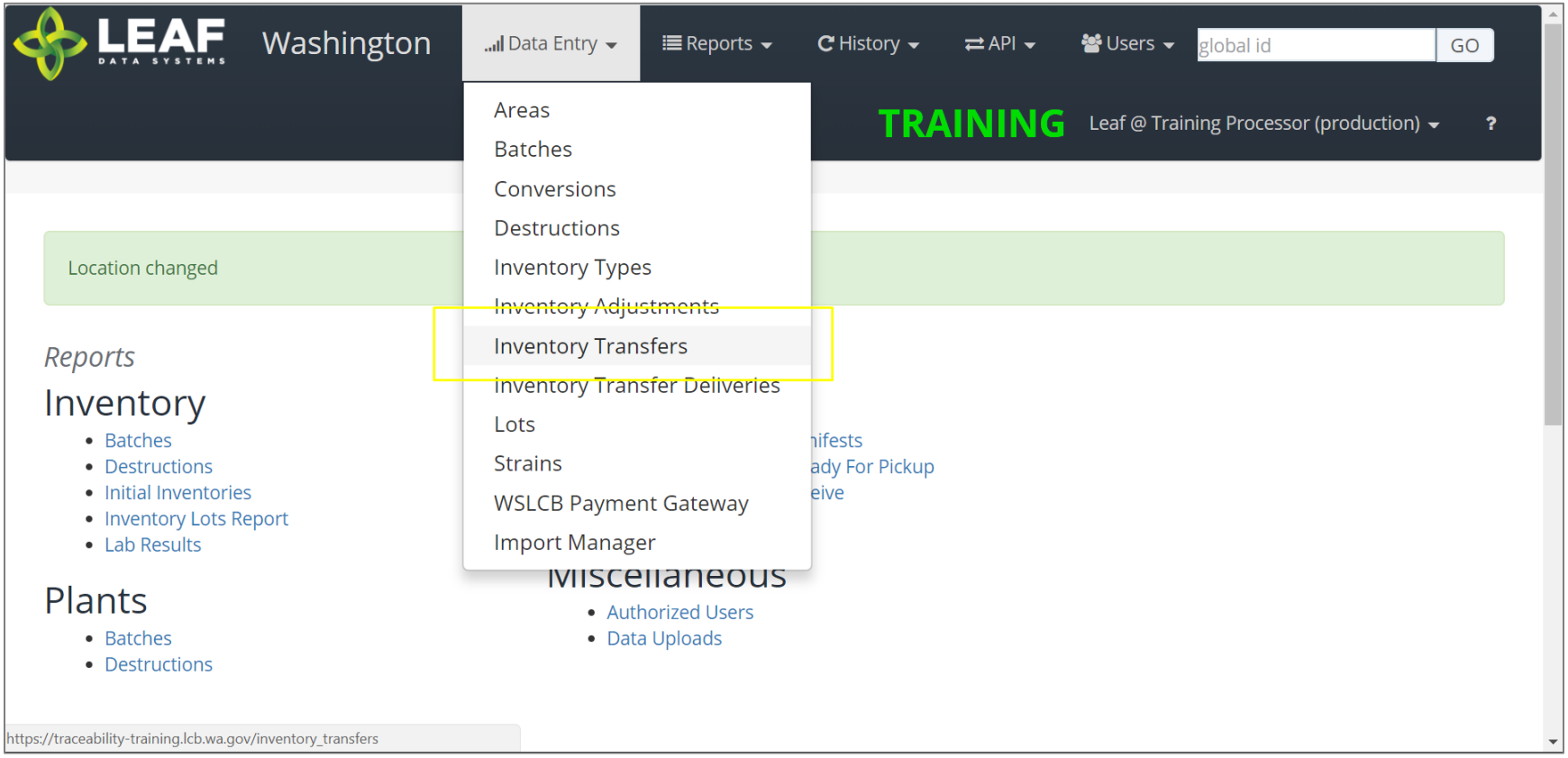
How to Create an Inventory Transfer

API:

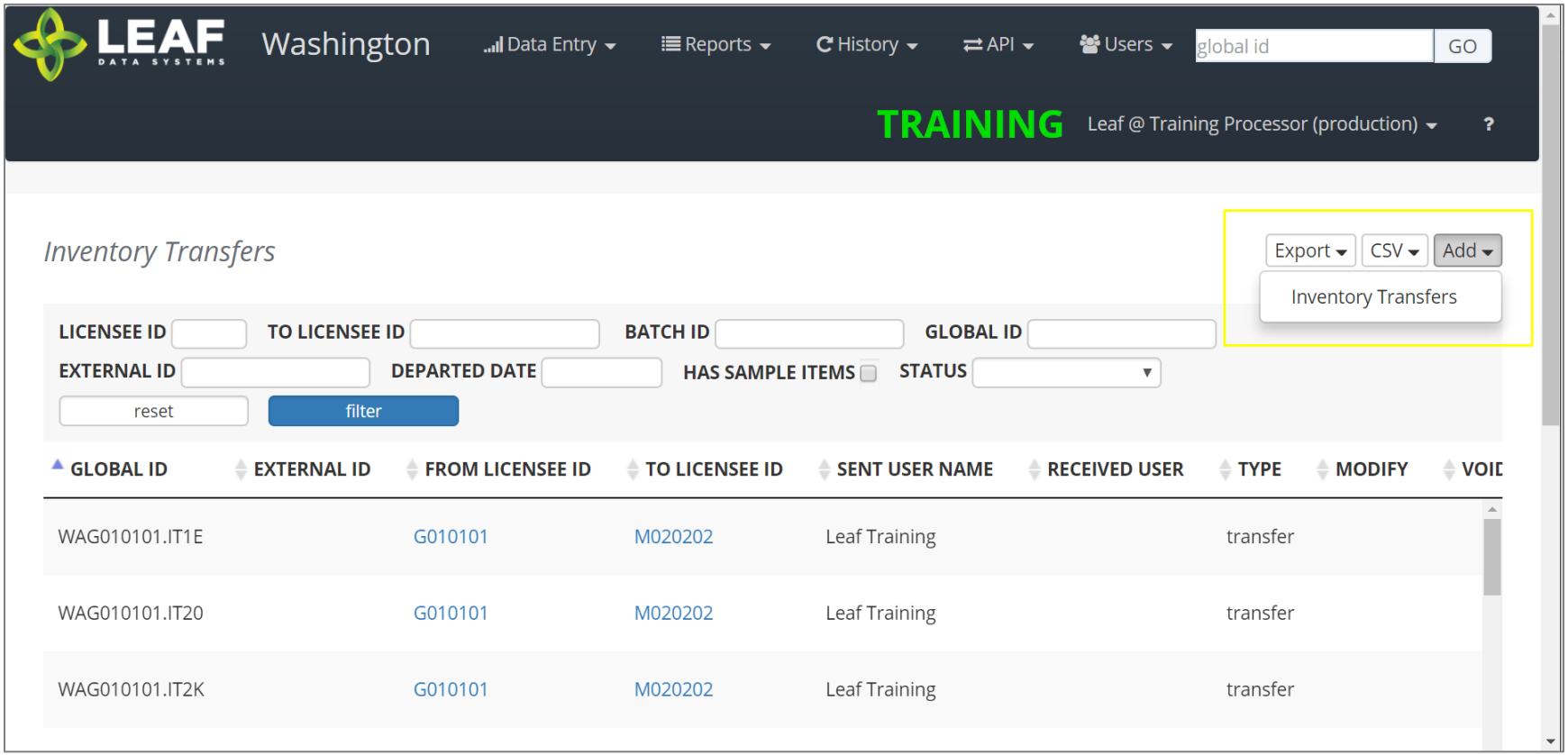
To retrieve a list of created inventory_transfers, use the "/inventory_transfers" GET call
To add inventory_transfers, use the "/inventory_transfers" CREATE call

UI:

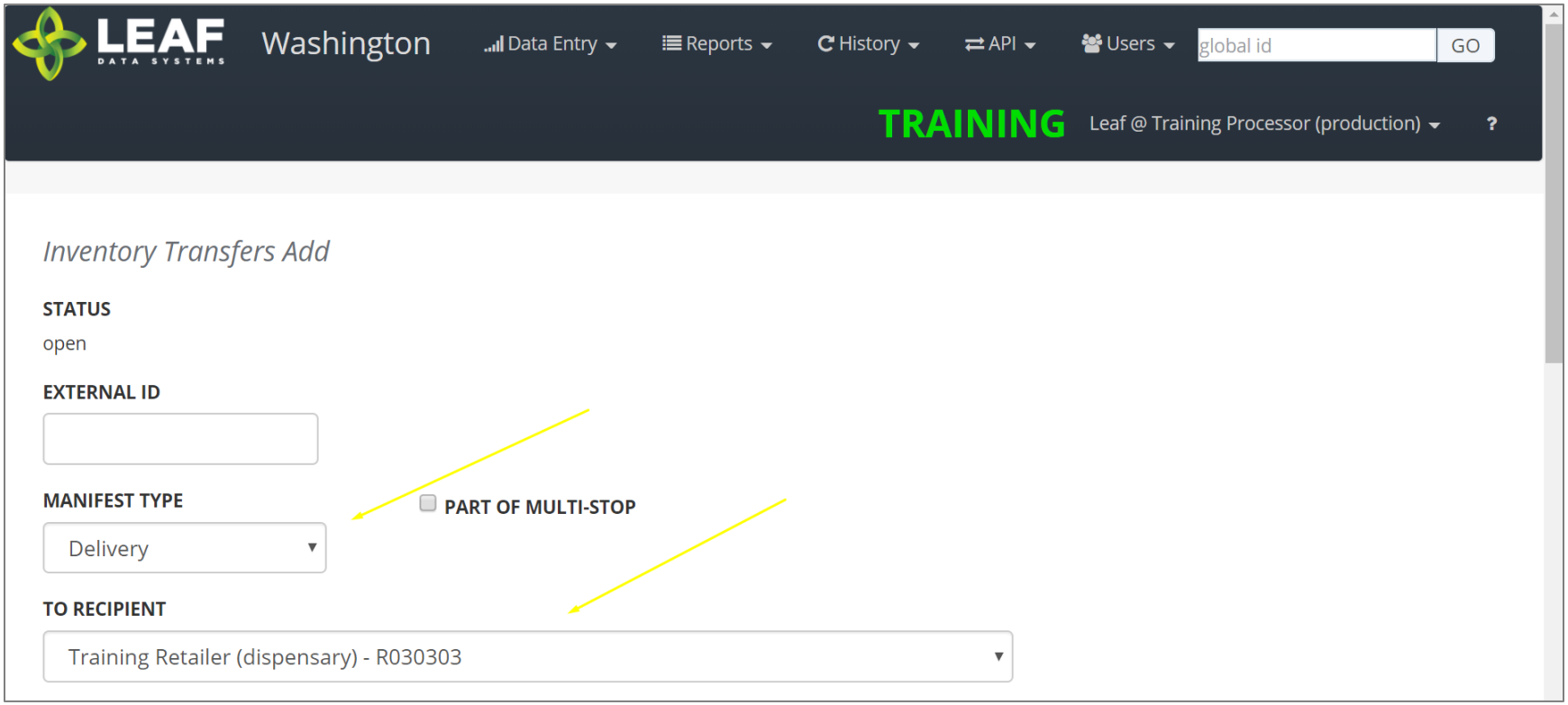
First, navigate to 'Data Entry→Inventory Transfers':



The page displayed will show a listing of all inventory transfers that have been created at the facility. To create a new inventory transfer, click the 'Add' button in the upper-right corner, then click 'Inventory Transfers'.

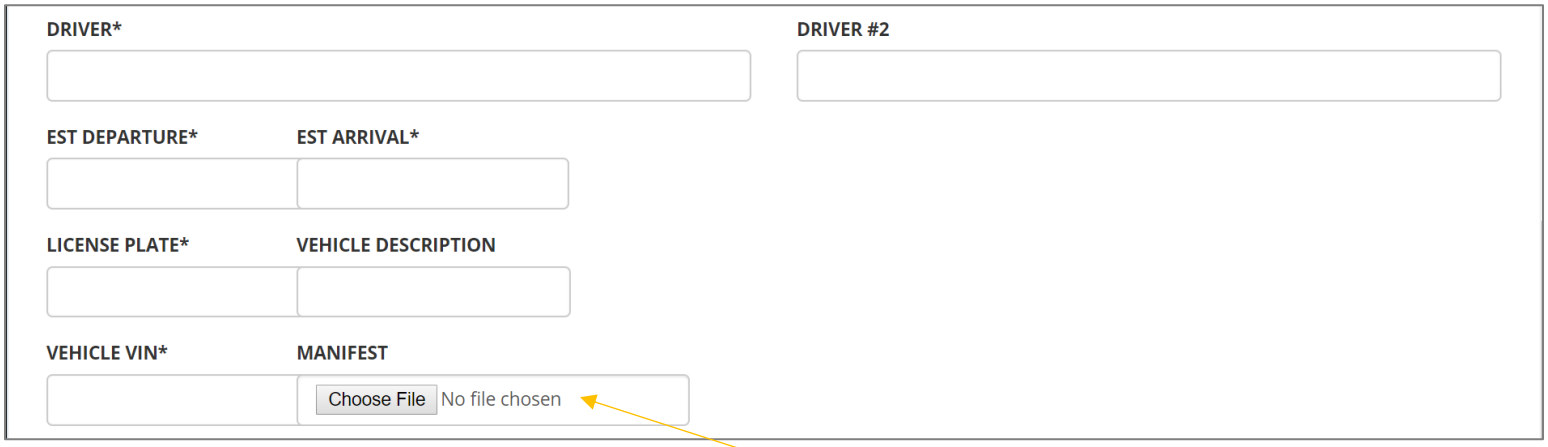


The first section of the inventory transfer allows for selection of the manifest type (discussed in the previous section), and the ability to choose the intended recipient of the transfer.

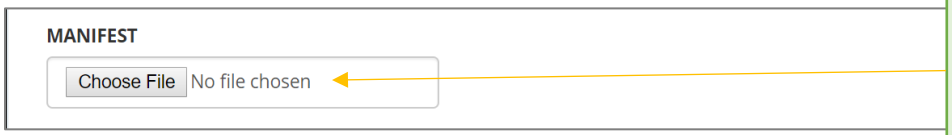


Once you complete these two selections, scroll down to the next section.

For a manifest type of “delivery” the next section will look like this:



For a manifest type of “pickup” the same section will look like this:



NOTE: The “Manifest” field that allows for upload of an external manifest is not necessary if you are using the Leaf Data Systems user interface directly. Leaf will generate a manifest for you upon creation of the inventory transfer.

For a manifest type of “licensed transporter” the same section will look like this:

Complete all of the fields available based on the manifest type selected in the previous step, then scroll down.

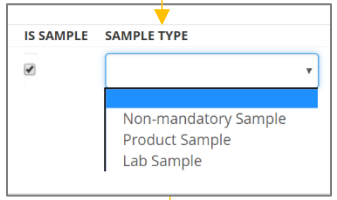
Finally, you will need to select the inventory being transferred. There are a couple of other important designations related to this inventory.

Start typing the global ID or name of the inventory lot to be transferred. To add more lots, click the "+ADD" link above the field.

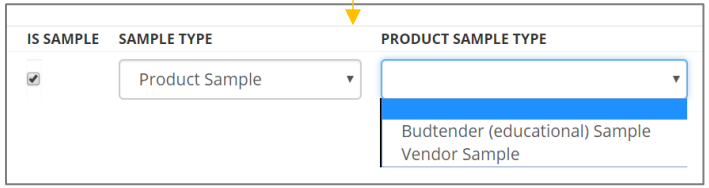
Select the quantity of the lot to be transferred.

The unit of measure is determined by the "inventory type" of the inventory lot.

If inventory being transferred from a Producer to a Processor is designated as being for extraction purposes, check this box



Values entered into this field for each line item will generate a wholesale transaction record upon creation of the inventory transfer. This total represents the total price of the line item (not the unit price).



For Samples, click the "is sample" checkbox to allow for selection of "Sample Type". "Sample Types" include:

Non-Mandatory Sample-used to request non-mandatory testing from a QA lab (results will NOT appear in Leaf)

Product Sample-used to designate educational and vendor samples, causing a secondary drop-down to appear for selection of "Product Sample" type

Lab Sample—a sample being sent to a testing lab for required QA testing; selecting this sample type enables selection of the "Retest" checkbox to denote that an inventory lot is being retested

Once all of the applicable forms have been completed,

click the 'Save' button to create the transfer.

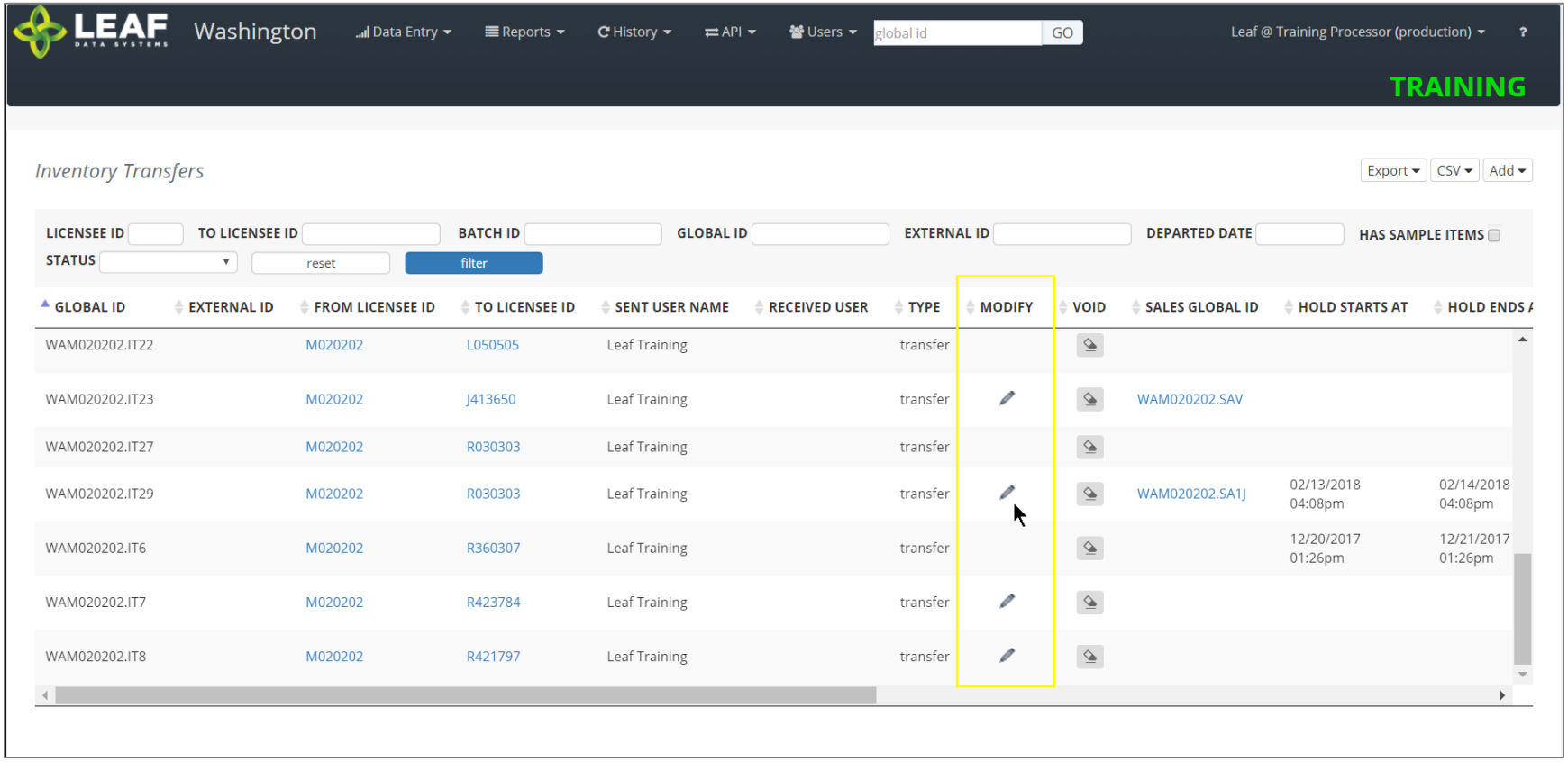
Modifying an Inventory Transfer

API:

To modify inventory_transfers, use the "/inventory_transfers" UPDATE call

UI:

To modify an Inventory Transfer record that has been created, navigate to 'Data Entry→Inventory Transfers'. Search for the transfer you wish to modify and click the pen icon in the "Modify" column.



This will take to back to a page similar to the screen where you created the transfer, and you can modify any information.

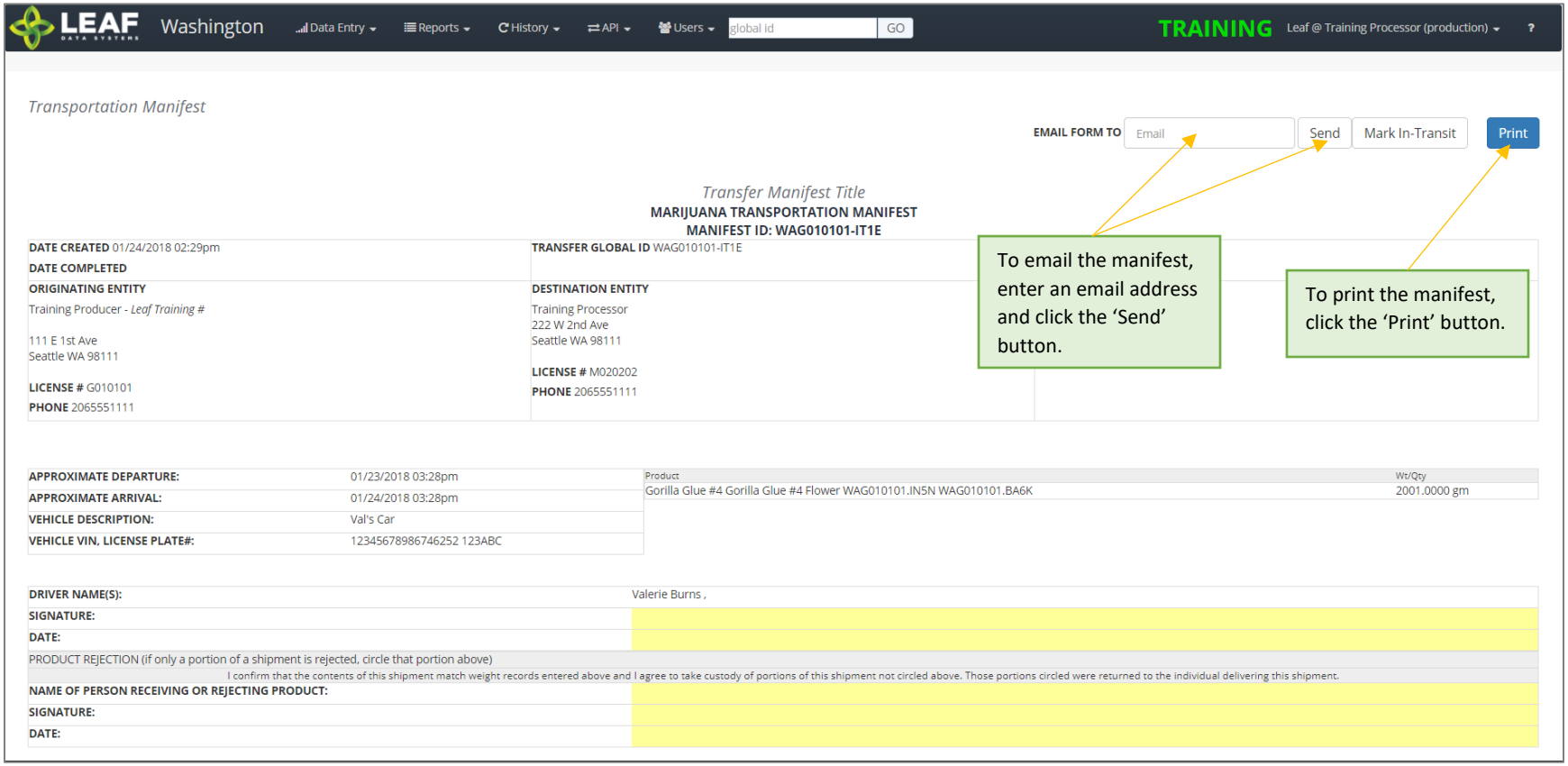
Viewing and Printing the Manifest

API:

Manifests created through a third party software solution can be associated with the inventory transfer record by creating a base-64 encoded file and including it in the CREATE call

UI:

To view and print a manifest, navigate to "Data Entry→Inventory Transfers" (as in the previous step), and search for the inventory transfer record you wish to view the manifest for. Click the gear icon in the "Manifest" column of the line item. This will produce the following:



NOTE: If you are unable to see the "gear" icon due to the word "Quarantine" in its place, this means that *AT LEAST ONE* of the inventory lots associated with the transfer does not have the appropriate lab results (or lab result attestation, for initial inventory) associated. Please double-check the lab results or lab results attestation for each lot.

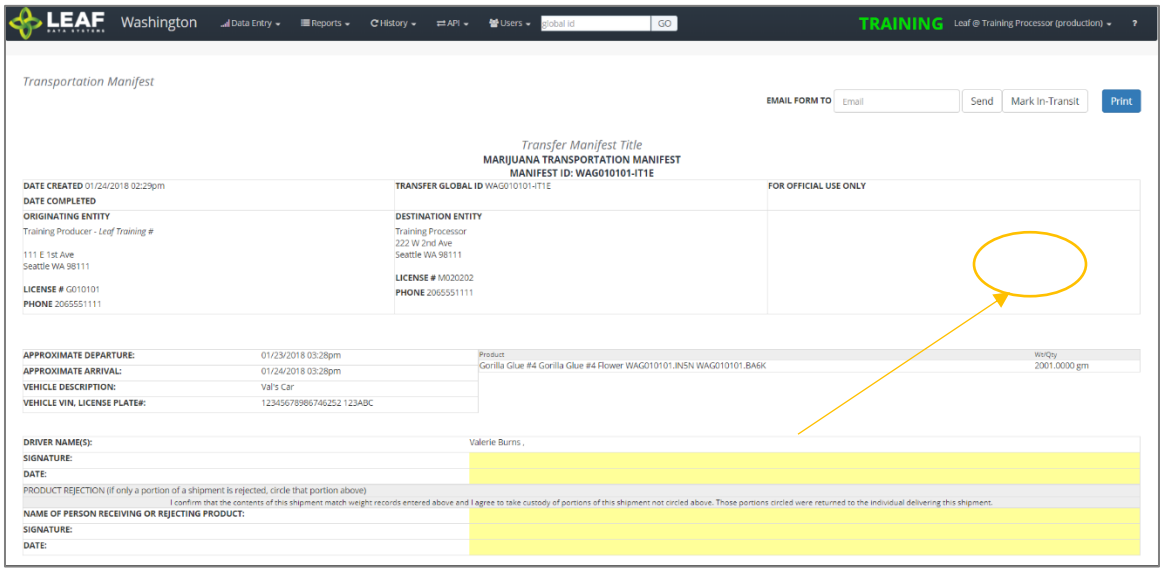
Marking an Inventory Transfer as "In Transit"

API:

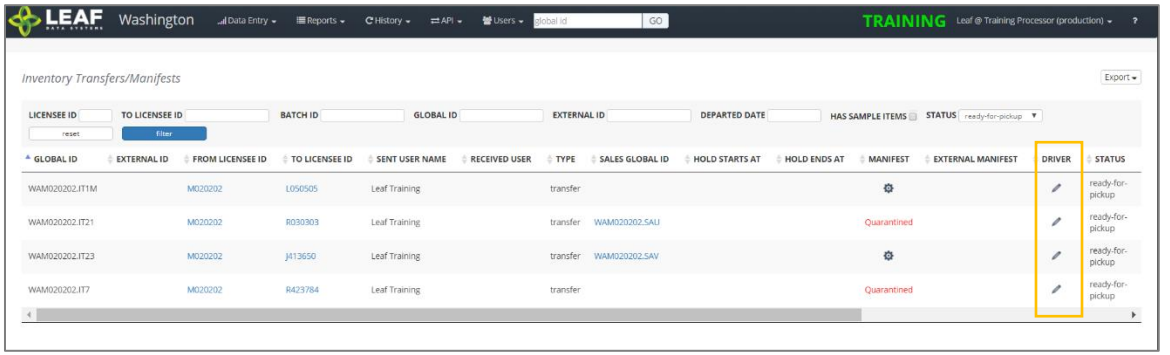
To mark a transfer as "in transit", use the "/inventory_transfers_in_transit" workflow function

UI:

From the manifest view (see previous step for navigation to manifest), click the "Mark In-Transit" button in the upper-right corner of the manifest. This will change the status of the manifest from "open" to "in-transit". Once a manifest is designated as "in-transit", it can no longer be modified, only received. If a manifest is marked as "in-transit" in error, the only option is to "Void" the manifest (see final section of this document) and re-create it.



For a “pickup” manifest, once the sender has created the manifest record, the receiver should navigate to “Reports→Inventory Transfers/Ready-for-Pickup”. Then, search for the manifest that is ready for pickup, and click the pen icon in the “Driver” column. This will allow the receiver to complete the driver and vehicle information pertaining to the transfer. A receiver would use the same process denoted above to mark the transfer as “in transit”.



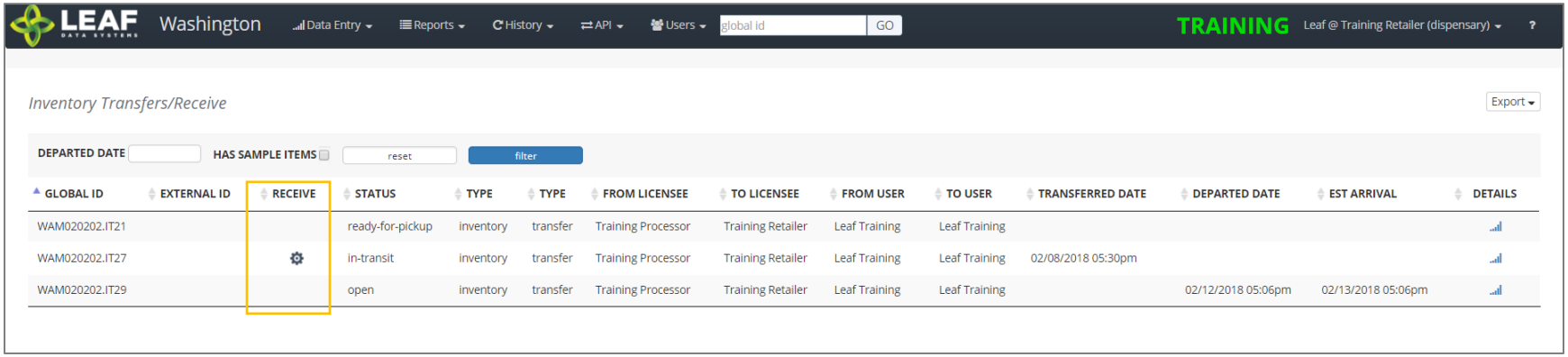
Receiving an Inventory Transfer

API:

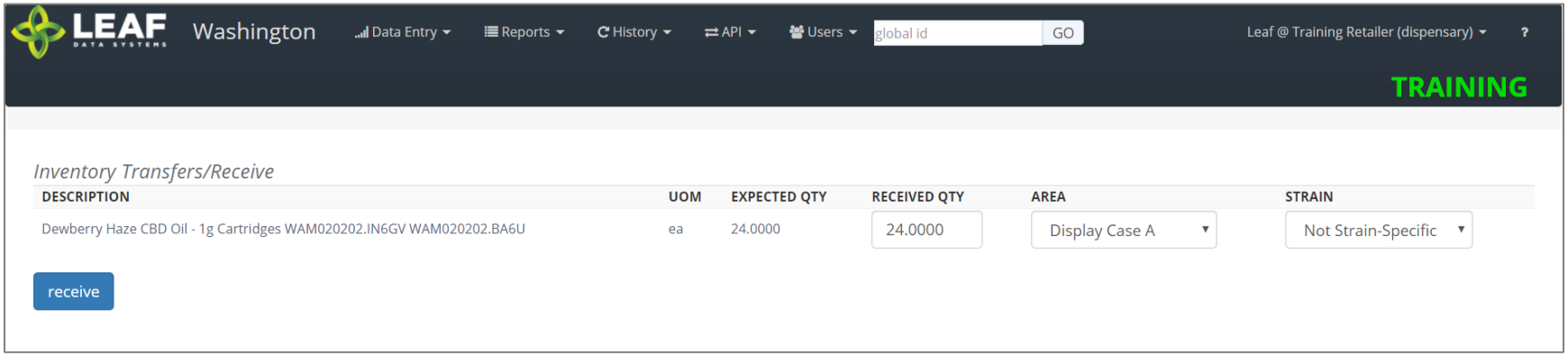
To receive an inventory transfer, use the "/inventory_transfers/api_receive" (receive transfer) workflow function

UI:

Once an inventory transfer has been marked as “in-transit”, receiver can accept the inventory into their facility by navigating to “Reports→Inventory Transfers/Receive”.



Search for the transfer to be received, then click the gear icon in the “Receive” column. On the screen that appears (below), enter the received quantities for each line item of the transfer. Select an ‘Area’ from the drop-down menu to receive the inventory into. Finally, if the product is strain-specific, select the local strain associated with it. If it is not strain-specific, the default value in this field will denote this.



Click the ‘receive’ button once all of the information for each line item has been completed.

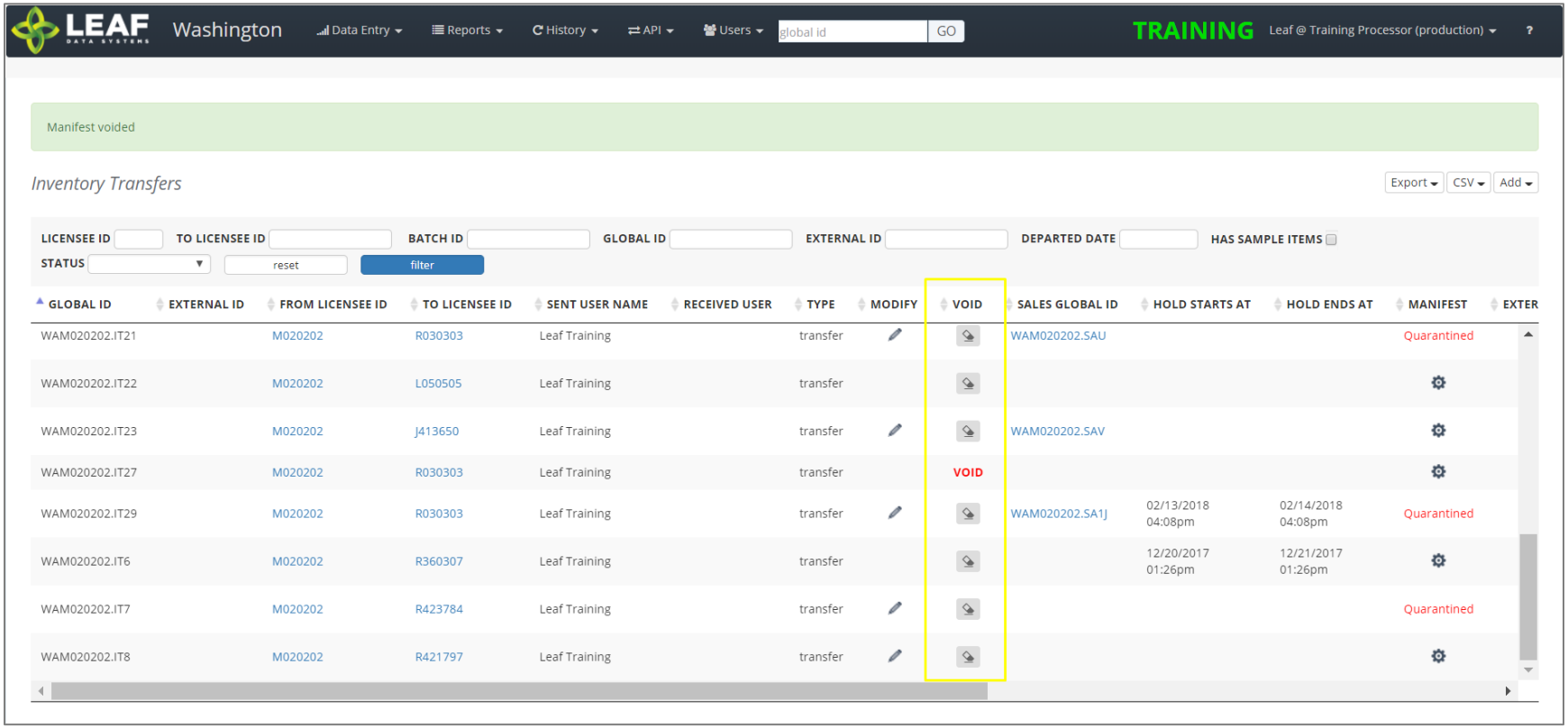
Voiding an Inventory Transfer

API:

To void an inventory transfer, use the "/inventory_transfers/void" workflow function

UI:

To void an Inventory Transfer record that has been created, navigate to ‘Data Entry→Inventory Transfers’. Search for the transfer you wish to modify and click the eraser icon in the “Void” column. Once a manifest has been voided, it will say “VOID” in red in this column.


LEAF DATA SYSTEMS
Washington
Data Entry
Reports
History
API
Users
global id
GO
TRAINING
Leaf @ Training Processor (production)
Manifest voided
Inventory Transfers
Export
CSV
Add
LICENSEE ID
TO LICENSEE ID
BATCH ID
GLOBAL ID
EXTERNAL ID
DEPARTED DATE
HAS SAMPLE ITEMS
STATUS
reset
filter
GLOBAL ID
EXTERNAL ID
FROM LICENSEE ID
TO LICENSEE ID
SENT USER NAME
RECEIVED USER
TYPE
MODIFY
VOID
SALES GLOBAL ID
HOLD STARTS AT
HOLD ENDS AT
MANIFEST
EXTER
WAM020202.IT21 M020202 R030303 Leaf Training transfer WAM020202.SAU Quarantined
WAM020202.IT22 M020202 L050505 Leaf Training transfer
WAM020202.IT23 M020202 J413650 Leaf Training transfer WAM020202.SAV
WAM020202.IT27 M020202 R030303 Leaf Training transfer VOID
WAM020202.IT29 M020202 R030303 Leaf Training transfer WAM020202.SA1J 02/13/2018 04:08pm 02/14/2018 04:08pm Quarantined
WAM020202.IT6 M020202 R360307 Leaf Training transfer 12/20/2017 01:26pm 12/21/2017 01:26pm
WAM020202.IT7 M020202 R423784 Leaf Training transfer Quarantined
WAM020202.IT8 M020202 R421797 Leaf Training transfer

PART FOUR: API Endpoints and Workflow Functions (all Licensees)

Areas

Areas represent physical locations at licensed facilities where plants and inventory will be located. The types of areas are 'quarantine' or 'non-quarantine'. Areas with a 'quarantine' designation are for circumstances such as waste/destruction hold periods, QA quarantine periods, or transfer hold periods.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
created_at	The date an area was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date an area was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id*	An optional free-form field used to hold any identifying factors of a particular area	varchar(40)	up to 40 characters	"AREA1234567"
global_id	Auto-generated unique ID for the area	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
~~is_quarantine_area~~	This item has been deprecated and will be removed in a future release			
name*	Name of an area	varchar(255)	up to 255 characters	"Storage Room"
type*	Identifier of the area type	enum	quarantine, non-quarantine	"quarantine"
updated_at	The date an area was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Get Areas
Create Areas
Update Areas
Delete Areas

Get Areas

Returns all areas within a licensed facility

Request

```
GET https://watest.leafdatazone.com/api/v1/areas
```

Example Response


```
{
	"total": 1,
	"per_page": 2500,
	"current_page": 1,
	"last_page": 1,
	"next_page_url": null,
	"prev_page_url": null,
	"from": 1,
	"to": 1,
	"data": [{
		"created_at": "12/20/2017 02:15pm",
		"updated_at": "12/20/2017 02:15pm",
		"external_id": "",
		"name": "Scott Grow",
		"type": "quarantine",
		"deleted_at": null,
		"is_quarantine_area": null,
		"global_id": "WAL050505.AR6F"
	}]
}
```

Create Areas

Provides the ability to create an area within a licensed facility

Request

```
POST https://watest.leafdatazone.com/api/v1/areas
```

Example Request

```
{
        "area": [{
                "name": "Scott Vault",
                "type": "non-quarantine",
                "external_id": "Backroom vault"
        }]
}
```

Example Response

```
[{
      "name": "Scott Vault",
      "type": "non-quarantine",
      "external_id": "Backroom vault",
      "updated_at": "12/20/2017 07:08pm",
      "created_at": "12/20/2017 07:08pm",
      "global_id": "WAL050505.AR6M"
}]
```

Update Areas

Update areas within a licensed facility

Request

```
POST https://watest.leafdatazone.com/api/v1/areas/update
```

Example Request

```
{
      "area": {
            "name": "Scott Vault",
            "type": "quarantine",
            "external_id": "Frontroom Vault",
            "global_id": "WAL050505.AR6M"
      }
}
```

Example Response

```
{
      "created_at": "12/20/2017 07:08pm",
      "updated_at": "12/20/2017 07:37pm",
      "external_id": "Frontroom Vault",
      "name": "Scott Vault",
      "type": "quarantine",
      "deleted_at": null,
      "is_quarantine_area": 0,
      "global_id": "WAL050505.AR6M"
}
```

Delete Areas

Provides the ability to delete an area within a licensed facility

****

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, "break" that association. For example, once records such as "areas", "strains", and "inventory types" are related to batches/plants/inventory lot, deleting these records will "break" the batch/plant/inventory lot that no longer has the necessary correspondences to exist. "Areas", for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

****

Request

```
DELETE https://watest.leafdatazone.com/api/v1/areas/{global_area_id}
```

Example Request

```
DELETE https://watest.leafdatazone.com/api/v1/areas/WAL050505.AR6F
```

Batches

Batch types include propagation material, plant, harvest, and intermediate/end product (called “extraction” on the back end).

'Propagation Material' batches are used to create inventory lot of seeds, clones, and plant tissue so that these plants can be tracked as inventory throughout their propagation phase. As plants shift from their propagation to vegetative phase, they are moved to plants (see /move_inventory_to_plants API call), at which point the plant records are associated with a 'plant' type batch.

'Plant' batches are a group of plants from the same strain, that are growing together within their vegetative and flowering phases. Attributes of all of the plants within a batch can be modified at the batch level, which will apply changes across all of the plant records. Additionally, plant records can be modified individually (see the /plants endpoint).

'Harvest' batches represent a group of harvested material that is all of the same strain. These types of batches are used to denote both 'wet' and 'dry' weight of 'flower' and 'other material' produced during the harvest. Resultant dry weight from a harvest batch is separated into 'inventory lots'. While initial inventory in a harvest stage can be created at the 'batch' endpoint, in a general workflow they are made by using the /harvest_plants API call.

'Intermediate/end product' (“extraction”) batches are batches that consist of multiple harvest batches being combined, for example, combining two different strains to make a blended concentrate product.

The purpose of using batches to group together plant and inventory records is two-fold. Batches assist with creating the traceability that the system is designed to offer. As well, batches allow producers to manage plants in any phase in groups, which enables mass actions to be applied to numerous records simultaneously. Batches are not intended to constrain activities involving plant movement, as plants can be shifted from one batch to another and do not have exclusive relationships with batches they are added to.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
area_name	Name of the area where the batch is located	varchar(255)	up to 255 characters	"Storage Room"
batch_created_at	The date/time a batch was created	datetime	mm/dd/yyyy hh:mmXM	"2018-02-01 12:34:05"
created_at	The date/time a batch was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time a batch was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~est_harvest_at~~	This parameter has been deprecated and will be removed in an upcoming release			
external_id*	An optional free-form field used to hold any identifying factors of a particular batch	varchar(40)	up to 40 characters	"BATCH1234567"
flower_dry_weight*	The total dry weight of the flower associated with the batch	decimal(10,2)	1234.56	"1234.56"
flower_wet_weight*	The total wet weight of the flower associated with the batch	decimal(10,2)	1234.56	"1234.56"
global_area_id*	The global ID of the area where the batch is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_id	Auto-generated unique ID for the batch	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_mother_plant_id*	For "propagation material" batches, the global ID of the mother plant from which the plants were derived	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
global_mme_id	The global ID of the licensee that the batch belongs to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_strain_id*	The global ID of the strain specific to the batch; **required for all batch types except "extraction"**, where strain-specificity is optional)	varchar(255)	up to 255 characters	"WAX12346.ST1Z2Y3"
global_user_id	The global ID of the user who created the batch	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
harvest_stage*	For "harvest" batches, the stage of the harvest process; **only used for batches of "type" = "harvest"**	enum	wet, cure, finished	"finished"
harvested_at*	For harvested batches, the date/time of harvest; **only required for batches of "type" = "harvest"**	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
harvested_end_at*	The date/time at which the harvest of the batch ended; **only required for batches of "type" = "harvest"**	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
is_child_batch*	Indicates that this batch is the product of a previous batch (or batches)	boolean	0, 1	"1"
is_parent_batch*	Indicates that later generations of batches have been created from this batch	boolean	0, 1	"1"
mme_code	Licensee ID of the licensee that the batch belongs to	varchar(255)	up to 255 characters	"X123456"
mme_name	Name of the licensee that the batch belongs to	varchar(255)	up to 255 characters	"Training Producer"
num_plants*	The number of plants that are in the batch; only used for batches of "type" = "propagation material", "plant", and "harvest"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
origin*	Indicates propagation source of the batch	enum	seed, clone, plant, tissue	"clone"
other_dry_weight*	The total dry weight of the other material associated with the batch	decimal(10,2)	1234.56	"1234.56"
other_wet_weight*	The total wet weight of the other material associated with the batch	decimal(10,2)	1234.56	"1234.56"
packaged_completed_at*	For "extraction" batches, the date the product was packaged	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
plant_stage*	Current development stage of the plants in the batch	enum	propagation source, growing, harvested, packaged, destroyed	"growing"
~~planted_at~~	This parameter has been deprecated and will be removed in an upcoming release			
~~qty_accumulated_waste~~	This parameter has been deprecated and will be removed in an upcoming release			
~~qty_cure~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
~~qty_harvest~~	This parameter has been deprecated and will be removed in an upcoming release			
qty_packaged_by_product	Accumulated weight of the plant material that is classified as packaged other material (in grams)	decimal(10,4)	1234.5678	"1234.56"
qty_packaged_flower	Accumulated weight of the plant material that is classified as packaged flower (in grams)	decimal(10,4)	1234.5678	"1234.56"
~~source~~	This parameter has been deprecated and will be removed in an upcoming release			
status	Identifier for the status of the batch	enum	open, closed	"open"
strain_name	Name of the strain associated with the batch	varchar(255)	up to 255 characters	"Dewberry Haze"
type*	Indicates the type of batch	enum	propagation material, plant, harvest, extraction	"harvest"
uom*	The unit of measure used to quantify the quantity harvested for this batch (only used for harvest batches, should be set to "gm")	enum	gm	"gm"
updated_at	The date/time a batch was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
waste*	Accumulated weight of the plant material that is represented as waste (in grams)	decimal(10,2)	1234.56	"1234.56"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_id	?f_global_id={global_id}
harvested_at	?f_harvested_at1={mm}%2F{dd}%2F{yyyy}&f_harvested_at2={mm}%2F{dd}%2F{yyyy}
planted_at	?f_planted_at1={mm}%2F{dd}%2F{yyyy}&f_planted_at2={mm}%2F{dd}%2F{yyyy}
status	?f_status={status} (does not work for batches of "type"="extraction")
type	?f_type={type}

Available Functions

Get Batches
Create Batches
Update Batches
Delete Batches

Get Batches

Returns all batches within a licensed facility

Request

```
GET https://watest.leafdatazone.com/api/v1/batches
```

Example Request

```
GET https://watest.leafdatazone.com/api/v1/batches
```

Response


```
{
      "total": 2,
      "per_page": 2500,
      "current_page": 1,
      "last_page": 1,
      "next_page_url": null,
      "prev_page_url": null,
      "from": 1,
      "to": 2,
      "data": [{
                  "created_at": "12/14/2017 10:45am",
                  "updated_at": "12/14/2017 10:45am",
                  "external_id": "KS Batch 3",
                  "planted_at": "12/12/2017",
                  "harvested_at": "12/12/2017",
                  "batch_created_at": "2017-12-12 12:32:05",
                  "num_plants": 0,
                  "status": "open",
                  "qty_harvest": "0.0000",
                  "uom": "gm",
                  "is_parent_batch": 0,
                  "is_child_batch": 0,
                  "type": "plant",
                  "harvest_stage": "wet",
                  "qty_accumulated_waste": null,
```

```
        "qty_packaged_flower": null,
        "qty_packaged_by_product": null,
        "est_harvest_at": "",
        "packaged_completed_at": "12/12/2017",
        "origin": "seed",
        "source": "inhouse",
        "qty_cure": "0.0000",
        "plant_stage": "seedling",
        "deleted_at": null,
        "flower_dry_weight": "0.00",
        "waste": "0.00",
        "other_dry_weight": "0.00",
        "harvested_end_at": "",
        "flower_wet_weight": "0.00",
        "other_wet_weight": "0.00",
        "global_id": "WAG050505.BADG",
        "global_area_id": "WAG050505.AR5W",
        "area_name": "Intake Storage",
        "global_mme_id": "WASTATE1.MM17",
        "mme_name": "Training Lab",
        "mme_code": "L050505",
        "global_user_id": "WASTATE1.US5",
        "global_strain_id": null,
        "strain_name": ""
},
{
        "created_at": "12/14/2017 10:45am",
        "updated_at": "12/14/2017 10:45am",
        "external_id": "KS Batch 3",
        "planted_at": "12/12/2017",
        "harvested_at": "12/12/2017",
        "batch_created_at": "2017-12-12 12:32:05",
        "num_plants": 0,
        "status": "open",
        "qty_harvest": "0.0000",
        "uom": "gm",
        "is_parent_batch": 0,
        "is_child_batch": 0,
        "type": "extraction",
        "harvest_stage": "wet",
```

```
                "qty_accumulated_waste": "1.0000",
                "qty_packaged_flower": null,
                "qty_packaged_by_product": null,
                "est_harvest_at": "",
                "packaged_completed_at": "12/12/2017",
                "origin": "seed",
                "source": "inhouse",
                "qty_cure": "0.0000",
                "plant_stage": "seedling",
                "deleted_at": null,
                "flower_dry_weight": "0.00",
                "waste": "0.00",
                "other_dry_weight": "0.00",
                "harvested_end_at": "",
                "flower_wet_weight": "0.00",
                "other_wet_weight": "0.00",
                "global_id": "WAG050505.BADH",
                "global_area_id": "WAG050505.AR5W",
                "area_name": "Intake Storage",
                "global_mme_id": "WASTATE1.MM17",
                "mme_name": "Training Lab",
                "mme_code": "L050505",
                "global_user_id": "WASTATE1.US5",
                "global_strain_id": null,
                "strain_name": ""
            }
        ]
}
```

Create Batches

Provides the ability to create batches within a licensed facility

Request

```
POST https://watest.leafdatazone.com/api/v1/batches
```

Example Request

```
{
        "batch": [{
                "type": "propagation material",
                "origin": "tissue",
                "global_area_id": "WAG050505.AR6M",
                "global_strain_id": "WAG050505.ST54",
                "num_plants": "35"
        }]
}
```

Example Response

```
[{
      "type": "propagation material",
      "origin": "tissue",
      "plant_stage": "propagation source",
      "batch_created_at": "2017-12-21 12:58:01",
      "updated_at": "12/21/2017 12:58pm",
      "created_at": "12/21/2017 12:58pm",
      "global_id": "WAG050505.BAHW",
      "global_mme_id": "WASTATE1.MM17",
      "global_user_id": "WASTATE1.US13",
      "global_strain_id": "WAG050505.ST54",
      "global_area_id": "WAG050505.AR6M",
      "global_child_batch_ids": []
}]
```

Update Batches

Update batches within a licensed facility

Request

```
POST https://watest.leafdatazone.com/api/v1/batches/update
```

Example Request

```
{
        "batch": {
                "global_id": "WAG050505.BAHJ",
                "plant_stage": "growing",
                "global_area_id": "WAG050505.AR6F"
        }
}
```

Example Response


```
{
	"created_at": "12/21/2017 08:52am",
	"updated_at": "12/21/2017 01:05pm",
	"external_id": "",
	"planted_at": "",
	"harvested_at": "",
	"batch_created_at": "2017-12-21 08:52:56",
	"num_plants": 10,
	"status": "open",
	"qty_harvest": null,
	"uom": "ea",
	"is_parent_batch": 0,
	"is_child_batch": 0,
	"type": "plant",
	"harvest_stage": null,
	"qty_accumulated_waste": null,
	"qty_packaged_flower": null,
	"qty_packaged_by_product": null,
	"est_harvest_at": "",
	"packaged_completed_at": "",
	"origin": "tissue",
	"source": "inhouse",
	"qty_cure": null,
	"plant_stage": "growing",
	"deleted_at": null,
	"flower_dry_weight": "0.00",
	"waste": "0.00",
	"other_dry_weight": "0.00",
	"harvested_end_at": "",
	"flower_wet_weight": "0.00",
	"other_wet_weight": "0.00",
	"global_id": "WAG050505.BAHJ",
	"global_mme_id": "WASTATE1.MM17",
	"global_user_id": "WASTATE1.US13",
	"global_strain_id": "WAG050505.ST54",
	"global_area_id": "WAG050505.AR6F"
}
```

Delete Batches

Provides the ability to delete a batch within a licensed facility

****

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, "break" that association. For example, once records such as "areas", "strains", and "inventory types" are related to batches/plants/inventory lot, deleting these records will "break" the batch/plant/inventory lot that no longer has the necessary correspondences to exist. "Areas", for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

****

Request

```
DELETE https://watest.leafdatazone.com/api/v1/batches/{global_batch_id}
```

Example Request

```
DELETE https://watest.leafdatazone.com/api/v1/batches/WAG050505.BADK
```

Disposals

Disposal records (referred to as "Destructions" within the UI) are inventory lots of waste that are created so that they can be segregated from other inventory to undergo their 72-hour hold process. Once this time period has elapsed, physical destruction of the lots may be performed. This can be accomplished through the "dispose_item" API call.

Disposal records can be created from harvest batches (any waste associated with a harvest batch), inventory lots, or plants.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
~~batch_type~~	This parameter has been deprecated and will be removed in an upcoming release			
created_at	The date/time a disposal record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time a disposal record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
disposal_at*	The date when the lot is scheduled to be physically destroyed (accounting for 72-hour hold period from creation of destruction record)	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~disposal_cert~~	This parameter has been deprecated and will be removed in an upcoming release			
external_id*	An optional free-form field used to hold any identifying factors of a particular disposal record	varchar(40)	up to 40 characters	"DISP1234567"
global_area_id*	The global ID of the area where the disposal lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id*	If "source" = "batch", the global ID of the batch that all or part of is being destroyed; **required only if "source" = "batch"**	varchar(255)	up to 255 characters	"WAX12346.BA1Z2Y3"
global_id	Auto-generated unique ID for the disposal record	varchar(255)	up to 255 characters	"WAX123456.DI1Z2Y3"
global_inventory_id*	If "source" = "inventory", the global ID of the inventory lot that all or part of is being destroyed; **required only if "source" = "inventory"**	varchar(255)	up to 255 characters	"WAX12346.IN1Z2Y3"
global_mme_id	The global ID of the licensee that the disposal record belongs to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_plant_id*	If "source" = "plant", the global ID of the plant that all or part of is being destroyed; **required only if "source" = "plant"**	varchar(255)	up to 255 characters	"WAX12346.PL1Z2Y3"
global_user_id	The global ID of the user who created the disposal record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
*hold_ends_at**	The date/time when the mandated 72-hour hold ends for this destruction record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
*hold_starts_at**	The date/time when the mandated 72-hour hold begins for this destruction record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~method~~	This parameter has been deprecated and will be removed in an upcoming release			
~~phase~~	This parameter has been deprecated and will be removed in an upcoming release			
qty*	The weight or piece count of the destruction lot	decimal(10,2)	1234.56	"1234.56"
reason*	The reason for the destruction	enum	failed_qa, infestation, quality_control, returned, spoilage, unhealthy, lcb_mandated, other	"infestation"
source*	The source record type for the destruction	enum	plant, inventory, batch	"plant"
~~type~~	This parameter has been deprecated and will be removed in an upcoming release			
uom	The uom associated with the inventory being disposed of	enum	gm, ea	"gm"
updated_at	The date/time a disposal record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
whole_plant*	If the disposal "source" is "plant", this parameter distinguishes whether the whole plant or only part of it is being disposed of (if whole plant, then "plant_stage" of plant will be shifted to "destroyed")	boolean	1, 0	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
disposal_at	?f_date1={mm}%2F{dd}%2F{yyyy}&f_date2={mm}%2F{dd}%2F{yyyy}
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
global_plant_id	?f_plant_id={global_plant_id}

Available Functions

Get Disposals
Create Disposals
Update Disposals
Delete Disposals

Get Disposals

Returns all disposals within a licensed facility

Request

```
GET https://watest.leafdatasystems.com/api/v1/disposals
```

Response


```
{
      "total": 1,
      "per_page": 2500,
      "current_page": 1,
      "last_page": 1,
      "next_page_url": null,
      "prev_page_url": null,
      "from": 1,
      "to": 1,
      "data": [{
            "created_at": "12/1/2017 09:12am",
            "updated_at": "12/1/2017 09:12am",
            "hold_starts_at": "2017-12-1 09:12:00",
            "hold_ends_at": "2017-12-4 09:12:00",
            "external_id": "",
            "whole_plant": null,
            "reason": "quality control",
            "method": "",
            "disposal_at": "12/4/2017",
            "phase": "",
            "type": null,
            "qty": "200.0000",
            "uom": "gm",
            "source": "inventory",
            "disposal_cert": null,
            "deleted_at": null,
            "global_id": "WAG010101.DI9",
            "batch_type": "harvest",
            "global_mme_id": "WAWA1.MM1LS",
```

```
            "global_user_id": "WAWA1.US4",
            "global_batch_id": "WAG010101.BA11",
            "global_area_id": null,
            "global_plant_id": null,
            "global_inventory_id": "WAG010101.IN1E"
      }]
}
```

Create Disposals

Used for creation of destruction/disposal records

Request

```
POST https://watest.leafdatasystems.com/api/v1/disposals
```

Example Request

```
{
      "disposal": [{
            "external_id": "",
            "reason": "infestation",
            "disposal_at": "06/07/2016",
            "qty": "2",
            "uom": "gm",
            "source": "batch",
            "global_batch_id": "WAM200002.BA5J",
            "global_area_id": "",
            "global_plant_id": "",
            "global_inventory_id": ""
      }]
}
```

Example Response

```
[{
      "external_id": "",
      "reason": "infestation",
      "disposal_at": "06/07/2016",
      "qty": "2",
      "uom": "gm",
      "source": "batch",
      "hold_starts_at": "06/07/2016 08:00am",
      "hold_ends_at": "06/10/2016 08:00am ",
      "updated_at": "06/07/2016 08:00am ",
      "created_at": "06/07/2016 08:00am ",
      "global_id": "WAM200002.DI777",
```

```
      "global_mme_id": "WAWA1.MM1VB",
      "global_user_id": "WAWA1.US4",
      "global_batch_id": "WAM200002.BA5J",
      "global_area_id": null,
      "global_plant_id": null,
      "global_inventory_id": "WAM200002.IN9TB"
}]
```

Update Disposals

Used for creation of destruction/disposal records

Request

```
POST https://watest.leafdatasystems.com/api/v1/disposals/update
```

Example Request

```
{
	"disposal": [{
		"external_id": "",
		"reason": "infestation",
		"disposal_at": "06/07/2016",
		"qty": "2",
		"uom": "gm",
		"source": "batch",
		"global_batch_id": "WAM200002.BA5J",
		"global_area_id": "",
		"global_plant_id": "",
		"global_inventory_id": ""
	}]
}
```

Example Response

```
[{
	"external_id": "",
	"reason": "infestation",
	"disposal_at": "06/07/2016",
	"qty": "2",
	"uom": "gm",
	"source": "batch",
	"hold_starts_at": "06/07/2016 08:00am",
	"hold_ends_at": "06/10/2016 08:00am ",
	"updated_at": "06/07/2016 08:00am ",
	"created_at": "06/07/2016 08:00am ",
	"global_id": "WAM200002.DI777",
```

```
      "global_mme_id": "WAWA1.MM1VB",
      "global_user_id": "WAWA1.US4",
      "global_batch_id": "WAM200002.BA5J",
      "global_area_id": null,
      "global_plant_id": null,
      "global_inventory_id": "WAM200002.IN9TB"
}]
```

Delete Disposal

Provides the ability to delete disposal (destruction) records within a licensed facility

****

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

****Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.****

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, "break" that association. For example, once records such as "areas", "strains", and "inventory types" are related to batches/plants/inventory lot, deleting these records will "break" the batch/plant/inventory lot that no longer has the necessary correspondences to exist. "Areas", for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

****

Request

```
DELETE https://watest.leafdatazone.com/api/v1/disposals/{global_disposal_id}
```

Example Request

```
https://watest.leafdatazone.com/api/v1/disposals/WAM050505.DI51X
```

Inventory Types

Inventory Types are the different types of product that will be on hand at a facility, not actual physical inventory.
Since /inventory_type represents a virtual bucket for what inventory lots will be in a facility, inventory types (/inventory_type) should be created before inventory lots (/inventories). Also, certain "types:" allow for a selection of "intermediate_types:" in the UI you can see this with the dropdowns for *category* (= 'type' in API) and *sub-category* (= 'intermediate_type' in API).
NOTE: Deletion of Inventory Types that are associated with inventory lots (/inventories) will cause corruption of that data. Be mindful that inventory types being deleted are not associated with any active inventory.

An inventory type is designed to represent a *single* product, which in the case of strain-specific products and products with different pricing weights (of the same product) should equal different products.

Here are a few examples of how inventory types might look:

Name	Category	Subcategory	UOM
Dewberry Haze Bulk Flower	Harvest Materials	Flower	gm
Dewberry Haze Bulk Other Material	Harvest Materials	Other Material	gm
Bulk CBD Oil	Intermediate Product	Hydrocarbon Concentrate	gm
Bulk Sativa Oil	Intermediate Product	CO2 Concentrate	gm
Sativa Oil 0.5g Cartridges	End Product	Concentrate for Inhalation	ea
Sativa Oil 1g Cartridges	End Product	Concentrate for Inhalation	ea
High CBD Topical Ointment 2oz	End Product	Topical	ea
High CBD Topical Ointment 4oz	End Product	Topical	ea
Dewberry Haze 1g	End Product	Usable Marijuana	ea
Dewberry Haze 3.5g	End Product	Usable Marijuana	ea

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
~~allergens~~	This parameter has been deprecated and will be removed in an upcoming release			
~~contains~~	This parameter has been deprecated and will be removed in an upcoming release			
~~cost~~	This parameter has been deprecated and will be removed in an upcoming release			
created_at	The date/time an inventory type record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time an inventory type record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~description~~	This parameter has been deprecated and will be removed in an upcoming release			
external_id*	An optional free-form field used to hold any identifying factors of a particular inventory type record	varchar(40)	up to 40 characters	"INVTYPE1234567"
global_id	Auto-generated unique ID for the inventory type record	varchar(255)	up to 255 characters	"WAX123456.TY1Z2Y3"
global_mme_id	The global ID of the licensee where the inventory type record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_user_id	The global ID of the user who created the inventory type record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
~~ingredients~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
intermediate_type*	The product subcategory of the inventory type	enum	if "type" = "intermediate_product", then: "marijuana_mix", "non-solvent_based_concentrate", "hydrocarbon_concentrate", "co2_concentrate", "ethanol_concentrate", "food_grade_solvent_concentrate", "infused_cooking_medium"; if "type" = "end_product", then: "liquid_edible", "solid_edible", "concentrate_for_inhalation", "topical", "infused_mix", "packaged_marijuana_mix", "sample_jar", "usable_marijuana", "capsules", "tinctures", "transdermal_patches", "suppositories"; if "type" = "immature_plant", then: "seeds", "clones", "plant_tissue"; if "type" = "mature_plant", then: "mature_plant", "non_mandatory_plant_sample"; if "type" = "harvest_materials", then: "flower", "other_material", "flower_lots", "other_material_lots"; if "type" = "waste", then: "waste"	"usable_marijuana"
name	Description of the inventory	varchar(255)	up to 255 characters	"Dewberry Haze 3.5g Flower"
~~net_weight~~	This parameter has been deprecated and will be removed in an upcoming release			
~~packed_qty~~	This parameter has been deprecated and will be removed in an upcoming release			
~~serving_num~~	This parameter has been deprecated and will be removed in an upcoming release			
~~serving_size~~	This parameter has been deprecated and will be removed in an upcoming release			
~~storage_instructions~~	This parameter has been deprecated and will be removed in an upcoming release			
~~total_marijuana_in_grams~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
type*	The primary category of the inventory type	enum	immature_plant, mature_plant, harvest_materials, intermediate_product, end_product, waste	"end_product"
uom*	The unit of measure associated with the inventory type	enum	gm, ea	"gm"
updated_at	The date/time an inventory type record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~used_butane~~	This parameter has been deprecated and will be removed in an upcoming release			
~~value~~	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_id	?f_global_id={global_id}
type	?f_type={type}

Available Functions

Get Inventory Types
Create Inventory Types
Update Inventory Types
Delete Inventory Types

Get Inventory Types

Returns all inventory types within a licensed facility

Request

```
GET https://watest.leafdatasystems.com/api/v1/inventory_types
```

Response


```
{
      "total": 2,
      "per_page": 2500,
      "current_page": 1,
      "last_page": 1,
      "next_page_url": null,
      "prev_page_url": null,
      "from": 1,
      "to": 1,
      "data": [{
                  "created_at": "12/1/2017 09:21am",
                  "updated_at": "12/1/2017 09:21am",
                  "external_id": "",
                  "name": "Dewberry Haze Flower Lots",
                  "description": "",
                  "storage_instructions": "",
                  "ingredients": "",
                  "type": "harvest_materials",
                  "allergens": "",
                  "contains": "",
                  "used_butane": "",
                  "net_weight": "",
                  "packed_qty": "",
                  "cost": "",
                  "value": "",
                  "serving_num": "",
                  "serving_size": "",
                  "uom": "gm",
                  "total_marijuana_in_grams": "",
                  "deleted_at": null,
                  "intermediate_type": "flower",
```

```
                "global_id": "WAG010101.IT3P",
                "global_mme_id": "WAG010101.MM1LS",
                "global_user_id": "WAG010101.US4",
                "global_strain_id": "WAG010101.ST5"
        },
        {
                "created_at": "12/1/2017 09:22am",
                "updated_at": "12/1/2017 09:22am",
                "external_id": "",
                "name": "Dewberry Haze Other Material Lots",
                "description": "",
                "storage_instructions": "",
                "ingredients": "",
                "type": "harvest_materials",
                "allergens": "",
                "contains": "",
                "used_butane": "",
                "net_weight": "",
                "packed_qty": "",
                "cost": "",
                "value": "",
                "serving_num": "",
                "serving_size": "",
                "uom": "gm",
                "total_marijuana_in_grams": "",
                "deleted_at": null,
                "intermediate_type": "other_material",
                "global_id": "WAG010101.IT3Q",
                "global_mme_id": "WAWA1.MM1LS",
                "global_user_id": "WAWA1.US4",
                "global_strain_id": "WAG010101.ST5"
        }
    ]
}
```

Create Inventory Types

Provides the ability to create an inventory type within a licensed facility

Request

```
POST https://watest.leafdatasystems.com/api/v1/inventory_types
```

Example Request

```
{
      "inventory_type": [{
            "external_id": "12345",
            "name": "Charlotte's Web Pre-Packs - 3.5gm",
            "type": "end_product",
            "intermediate_type": "usable_marijuana",
            "uom": "ea"
      }]
}
```

Example Response


```
[{
	"external_id": "12345",
	"name": "Charlotte's Web Pre-Packs - 3.5gm",
	"description": "",
	"storage_instructions": "",
	"ingredients": "",
	"type": "end_product",
	"intermediate_type": "usable_marijuana",
	"allergens": "",
	"contains": "",
	"used_butane": "",
	"net_weight": "",
	"packed_qty": "",
	"cost": "",
	"value": "",
	"serving_num": "",
	"serving_size": "",
	"uom": "ea",
	"total_marijuana_in_grams": "",
	"updated_at": "12/1/2017 12:52pm",
	"created_at": "12/1/2017 12:52pm",
	"global_id": "WAG010101.IT5N",
	"global_mme_id": "WAWA1.MM1LS",
	"global_user_id": "WAWA1.US4",
	"global_strain_id": null
}]
```

Update Inventory Types

Provides the ability to update an existing inventory type within a licensed facility

Request

```
POST https://watest.leafdatasystems.com/api/v1/inventory_types/update
```

Example Request

```
{
      "inventory_type": [{
            "external_id": "12345",
            "name": "Charlotte's Web Pre-Packs - 3.5gm",
            "type": "end_product",
            "intermediate_type": "usable_marijuana",
            "uom": "ea"
      }]
}
```

Example Response


```
[{
      "external_id": "12345",
      "name": "Charlotte's Web Pre-Packs - 3.5gm",
      "description": "",
      "storage_instructions": "",
      "ingredients": "",
      "type": "end_product",
      "intermediate_type": "usable_marijuana",
      "allergens": "",
      "contains": "",
      "used_butane": "",
      "net_weight": "",
      "packed_qty": "",
      "cost": "",
      "value": "",
      "serving_num": "",
      "serving_size": "",
      "uom": "ea",
      "total_marijuana_in_grams": "",
      "updated_at": "12/1/2017 12:52pm",
      "created_at": "12/1/2017 12:52pm",
      "global_id": "WAG010101.IT5N",
      "global_mme_id": "WAWA1.MM1LS",
      "global_user_id": "WAWA1.US4",
      "global_strain_id": null
}]
```

Delete Inventory Types

Provides the ability to delete an existing inventory type within a licensed facility

****

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, "break" that association. For example, once records such as "areas", "strains", and "inventory types" are related to batches/plants/inventory lot, deleting these records will "break" the batch/plant/inventory lot that no longer has the necessary correspondences to exist. "Areas", for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

****

Request

```
DELETE https://watest.leafdatasystems.com/api/v1/inventory_types/{global_inventory_type_id}
```

Example Request

```
https://watest.leafdatasystems.com/api/v1/inventory_types/WAJ050
```

Inventory

Inventory lots are the physical inventory that exists at a facility.

"Immature plants" (in their propagation phases) begin as inventory at a production facility (related to "propagation_material" type batches). They do not become "plant" records (related to "plant" type batches) until they are in their vegetative phase. See related API call: /move_inventory_to_plants.

"Mature plants" can be "moved to inventory" if they are to be added to an inventory transfer (if they are leaving the facility). See related API calls: /move_plants_to_inventory and /move_inventory_to_plants.

"Harvest Material" once dried and cured is packaged into inventory lots.

Inventory lots can be split into smaller lots with the relationship to the parent lot remaining intact and traceable. See related API call: /split_inventory.

Inventory conversions are performed for extraction, infusion, pre-packaging, and combining functions and convert inventory lots of one inventory type into another. See related API call: /conversion.

Inventory lots that represent inventory types of Intermediate Products and End Products are related to batches of type "extraction" (Intermediate/End Product).

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
~~additives~~	This parameter has been deprecated and will be removed in an upcoming release			
batch_type	Denotes the "type" of the related batch to the inventory based on the associated "global batch ID"	enum	propagation material, plant, harvest, extraction	"harvest"
~~cost~~	This parameter has been deprecated and will be removed in an upcoming release			
created_at	The date/time an inventory record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time an inventory record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id*	An optional free-form field used to hold any identifying factors of a particular inventory record	varchar(40)	up to 40 characters	"LOT1234567"
global_area_id*	The global ID of the area where the inventory lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id*	The global ID of the batch associated with the inventory lot	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
~~global_created_by_mme_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_id	Auto-generated unique ID for the inventory record	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_inventory_type_id*	The global ID of the inventory type associated with the inventory	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.TY1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_lab_result_id	The global ID of the lab results (created by a QA lab) associated with the inventory lot	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.LR1Z2Y3"
global_mme_id	The global ID of the licensee where the inventory record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_original_id	The global ID of the inventory lot relative to the facility that it was received FROM; For Retailers (and anyone receiving inventory), this value is important for being able to identify an inventory lot based on the global ID on the labelling/package	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_strain_id	The global ID of the strain associated with the inventory (if applicable)	varchar(255)	WAX123456.ST1Z2Y3	"WAX123456.ST1Z2Y3"
global_user_id	The global ID of the user who created the inventory record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
~~inventory_created_at~~	This parameter has been deprecated and will be removed in an upcoming release			
~~inventory_expires_at~~	This parameter has been deprecated and will be removed in an upcoming release			
~~inventory_packaged_at~~	This parameter has been deprecated and will be removed in an upcoming release			
is_initial_inventory*	Denotes whether inventory represents post-contingency on hand inventory created by 4/30/2018	boolean	0, 1	"1"
lab_results_attested	**If inventory "is_initial_inventory", then lab results attestation is required** to bypass QA result requirements for product to transfer; Attestation affirms the following on behalf of the licensee: "I attest the attached Quality Assurance Test result is accurate or the marijuana product does not	boolean	0, 1	"1"

Parameter	Description	Type	Valid Entries (for WA)	Example
	require Quality Assurance Test results at this stage"			
lab_results_date*	The date the attached lab results were completed at the QA lab, per the pdf upload (if applicable)	date	mm/dd/yyyy	"02/01/2018"
lab_results_file_path*	The base64-encoded file reference for the pdf lab results associated with the inventory lot	base64-encoded file path	css; base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1	"css; base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1"
lab_retest_id	Unique database value related to a lab result created for a retest	integer(11)	1234567	"1234567"
~~last_harvest_stage~~	This parameter has been deprecated and will be removed in an upcoming release			
legacy_id	FE term for "legacy_id" is "Contingency/Old Traceability ID"; **numeric ID from previous traceability methods entered only (and required) if inventory is designated as "initial_inventory"**	integer(11)	1234567898765432	"1234567898765432"
~~marijuana_type~~	This parameter has been deprecated and will be removed in an upcoming release			
medically_compliant*	Denotes whether or not an inventory lot is designated as medically compliant	boolean	0, 1	"0"
~~net_weight~~	This parameter has been deprecated and will be removed in an upcoming release			
~~packed_qty~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
qty*	The quantity of inventory present in the lot, relative to the unit of measure ("uom") of the associated inventory type; while qty of an inventory lot is able to be modified, the proper workflow is to perform an inventory adjustment	integer(11) or decimal(10,2)	integer if "uom"="ea" and decimal value if "uom"=gm"	"12345.67"
~~release_by_state~~	This parameter has been deprecated and will be removed in an upcoming release			
sent_for_testing	Denotes whether a sample of this inventory lot has been sent to the QA lab for mandatory or non-mandatory testing	boolean	0, 1	"0"
~~serving_num~~	This parameter has been deprecated and will be removed in an upcoming release			
~~serving_size~~	This parameter has been deprecated and will be removed in an upcoming release			
~~source~~	This parameter has been deprecated and will be removed in an upcoming release			
~~total_marijuana_in_grams~~	This parameter has been deprecated and will be removed in an upcoming release			
uom	The unit of measure associated with the inventory lot, derived from the associated inventory types	enum	gm, ea	"gm"
updated_at	The date/time an inventory record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
~~value~~	This parameter has been deprecated and will be removed in an upcoming release			

= parameter for filtering only; * = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
type	?f_type={type}

Available Functions

Get Inventory
Create Inventory
Update Inventory
Delete Inventory

Get Inventory

Returns all inventory lot records within a licensed facility

Request

```
GET https://watest.leafdatasystems.com/api/v1/inventories
```

Response


```
{
      "total": 2,
      "per_page": 2500,
      "current_page": 1,
      "last_page": 1,
      "next_page_url": null,
      "prev_page_url": null,
      "from": 1,
      "to": 2,
      "data": [{
                  "created_at": "12/01/2017 04:07pm",
                  "updated_at": "12/05/2017 12:23pm",
                  "external_id": "",
                  "released_by_state": null,
                  "lab_retest_id": null,
                  "is_initial_inventory": 1,
                  "net_weight": "0.00",
                  "inventory_created_at": "12/01/2017",
                  "inventory_expires_at": "",
                  "inventory_packaged_at": "",
                  "qty": "0.0000",
                  "packed_qty": null,
                  "cost": "0.00",
                  "value": "0.00",
                  "source": "inhouse",
                  "uom": "gm",
                  "total_marijuana_in_grams": "0.00",
                  "additives": "",
                  "serving_num": "",
                  "serving_size": "",
```

```
        "marijuana_type": null,
        "sent_for_testing": 1,
        "deleted_at": null,
        "last_harvest_stage": null,
        "medically_compliant": null,
        "global_id": "WAG010101.IN8M",
        "legacy_id": "1234567887654321",
        "lab_result_file_path": null,
        "lab_results_attested": 1,
        "lab_results_date": "12/10/2017",
        "global_original_id": null,
        "batch_type": "harvest",
        "global_mme_id": "WASTATE1.MM18",
        "global_user_id": "WASTATE1.US5",
        "global_batch_id": "WAG010101.BADT",
        "global_area_id": "WAG010101.AR64",
        "global_lab_result_id": null,
        "global_strain_id": "WAG010101.ST4U",
        "global_inventory_type_id": "WAG010101.IT94",
        "global_created_by_mme_id": "WASTATE1.MM18"
    },
    {
        "created_at": "12/14/2017 04:10pm",
        "updated_at": "12/14/2017 04:11pm",
        "external_id": "",
        "released_by_state": null,
        "lab_retest_id": null,
        "is_initial_inventory": 0,
        "net_weight": "0.00",
        "inventory_created_at": "12/14/2017",
        "inventory_expires_at": "",
        "inventory_packaged_at": "12/14/2017",
        "qty": "0.0000",
        "packed_qty": null,
        "cost": "0.00",
        "value": "0.00",
        "source": "inhouse",
        "uom": "ea",
        "total_marijuana_in_grams": "0.00",
        "additives": "",
```

```
                "serving_num": "",
                "serving_size": "",
                "marijuana_type": null,
                "sent_for_testing": 0,
                "deleted_at": null,
                "last_harvest_stage": null,
                "medically_compliant": null,
                "global_id": "WAG010101.IN8N",
                "legacy_id": null,
                "lab_result_file_path": null,
                "lab_results_attested": 0,
                "lab_results_date": "",
                "global_original_id": null,
                "batch_type": "propagation material",
                "global_mme_id": "WASTATE1.MM18",
                "global_user_id": "WASTATE1.US5",
                "global_batch_id": "WAG010101.BADU",
                "global_area_id": "WAG010101.AR64",
                "global_lab_result_id": null,
                "global_strain_id": "WAG010101.ST4U",
                "global_inventory_type_id": "WAG582365.ITR",
                "global_created_by_mme_id": "WASTATE1.MM18"
            }
        ]
}
```

Create Inventory

Provides the ability to create inventory lots within a licensed facility

Request

```
POST https://watest.leafdatasystems.com/api/v1/inventories
```

Example Request

```
{
        "inventory": [{
                "external_id": "12345",
                "is_initial_inventory": 1,
                "is_active": 1,
                "inventory_created_at": "12/01/2017",
                "inventory_packaged_at": "12/01/2017",
                "medically_compliant": 0,
                "qty": "1248.00",
                "uom": "gm",
                "global_batch_id": "WAG010101.BAH3",
                "global_area_id": "WAG010101.AR64",
                "global_strain_id": "WAG010101.ST4V",
                "global_inventory_type_id": "WAM030303.ITAH",
                "legacy_id": "1234567887654321"
        }]
}
```

Example Response

```
[{
      "external_id": "12345",
      "is_initial_inventory": 1,
      "net_weight": "",
      "inventory_created_at": "12/28/2017",
      "inventory_expires_at": "",
      "inventory_packaged_at": "12/01/2017",
      "medically_compliant": 0,
      "qty": "1248.00",
      "packed_qty": "",
      "cost": "",
      "value": "",
```

```
"source": "inhouse",
"uom": "gm",
"total_marijuana_in_grams": "",
"additives": "",
"serving_num": "",
"serving_size": "",
"legacy_id": "1234567887654321",
"updated_at": "12/28/2017 12:40pm",
"created_at": "12/28/2017 12:40pm",
"global_id": "WAG010101.INDL",
"global_mme_id": "WASTATE1.MM18",
"global_user_id": "WASTATE1.US5",
"global_batch_id": "WAG010101.BAH3",
"global_area_id": "WAG010101.AR64",
"global_lab_result_id": null,
"global_strain_id": "WAG010101.ST4V",
"global_inventory_type_id": "WAG010101.ITAH",
"global_created_by_mme_id": null,
"batch": {
      "created_at": "12/20/2017 05:59pm",
      "updated_at": "12/20/2017 06:00pm",
      "external_id": "",
      "planted_at": "12/20/2017",
      "harvested_at": "12/19/2017",
      "batch_created_at": "2017-12-20 17:59:35",
      "num_plants": 10,
      "status": "open",
      "qty_harvest": "13000.0000",
      "uom": "gm",
      "is_parent_batch": 0,
      "is_child_batch": 0,
      "type": "harvest",
      "harvest_stage": "cure",
      "qty_accumulated_waste": null,
      "qty_packaged_flower": null,
      "qty_packaged_by_product": null,
      "est_harvest_at": "",
      "packaged_completed_at": "",
      "origin": "seed",
      "source": "inhouse",
```

```
        "qty_cure": "1300.0000",
        "plant_stage": "harvested",
        "deleted_at": null,
        "flower_dry_weight": "1000.00",
        "waste": "555.00",
        "other_dry_weight": "300.00",
        "harvested_end_at": "12/20/2017",
        "flower_wet_weight": "10000.00",
        "other_wet_weight": "3000.00",
        "global_id": "WAG010101.BAH3",
        "global_mme_id": "WASTATE1.MM18",
        "global_user_id": "WASTATE1.US5",
        "global_strain_id": "WAG010101.ST4V",
        "global_area_id": "WAG010101.AR65"
},
"inventory_type": {
        "created_at": "12/20/2017 06:02pm",
        "updated_at": "12/20/2017 06:02pm",
        "external_id": "",
        "name": "Shark Shock Flower Lots",
        "description": "",
        "storage_instructions": "",
        "ingredients": "",
        "type": "harvest_materials",
        "allergens": "",
        "contains": "",
        "used_butane": 0,
        "net_weight": "0.00",
        "packed_qty": null,
        "cost": "0.00",
        "value": "0.00",
        "serving_num": "",
        "serving_size": "",
        "uom": "gm",
        "total_marijuana_in_grams": "0.00",
        "deleted_at": null,
        "intermediate_type": "flower",
        "global_id": "WAG010101.ITAH",
        "global_mme_id": "WASTATE1.MM18",
        "global_user_id": "WASTATE1.US5",
```

```
            "global_strain_id": null
        }
}]
```

Update Inventory

Provides the ability to update inventory lots within a licensed facility

Request

```
POST https://watest.leafdatasystems.com/api/v1/inventories/update
```

Example Request

```
{
	"inventory": {
		"external_id": "",
		"is_initial_inventory": 0,
		"is_active": 1,
		"inventory_created_at": "7/07/2017",
		"inventory_packaged_at": "07/07/2017",
		"medically_compliant": 0,
		"qty": "1357.00",
		"uom": "gm",
		"global_batch_id": "WAG010101.BA2BNA",
		"global_area_id": "WAG010101.AR18RL",
		"global_strain_id": "WAG010101.ST1X1L",
		"global_inventory_type_id": "WAG010101.TY40FP",
		"global_id": "WAG010101.INZA9"
	}
}
```

Example Response

```
{
	"created_at": "02/11/2018 05:48pm",
	"updated_at": "03/27/2018 11:15am",
	"external_id": "",
	"released_by_state": null,
	"lab_retest_id": null,
	"is_initial_inventory": 0,
	"net_weight": "0.00",
	"inventory_created_at": "07/07/2017",
	"inventory_expires_at": "",
	"inventory_packaged_at": "07/07/2017",
```

```
"qty": "1357.00",
"packed_qty": null,
"cost": "0.00",
"value": "0.00",
"source": null,
"uom": "gm",
"total_marijuana_in_grams": "0.00",
"additives": "",
"serving_num": "",
"serving_size": "",
"marijuana_type": null,
"sent_for_testing": "1",
"deleted_at": null,
"last_harvest_stage": null,
"medically_compliant": 0,
"global_id": "WAG010101.INZA9",
"legacy_id": null,
"lab_result_file_path": "",
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": null,
"global_mme_id": "WASTATE1.MM24L",
"global_user_id": "WASTATE1.US2FE",
"global_batch_id": "WAG010101.BA2BNA",
"global_area_id": "WAG010101.AR18RL",
"global_lab_result_id": null,
"global_strain_id": "WAG010101.ST1X1L",
"global_inventory_type_id": "WAG010101.TY40FP",
"global_created_by_mme_id": null,
"inventory_type": {
      "created_at": "02/11/2018 05:33pm",
      "updated_at": "02/11/2018 05:33pm",
      "external_id": "",
      "name": "Dewberry Haze Flower Lots",
      "description": "",
      "storage_instructions": "",
      "ingredients": "",
      "type": "harvest_materials",
      "allergens": "",
      "contains": "",
```

```
            "used_butane": "0",
            "net_weight": "0.00",
            "packed_qty": null,
            "cost": "0.00",
            "value": "0.00",
            "serving_num": "",
            "serving_size": "",
            "uom": "gm",
            "total_marijuana_in_grams": "0.00",
            "deleted_at": null,
            "intermediate_type": "flower_lots",
            "global_id": "WAG010101.TY40FP",
            "global_mme_id": "WASTATE1.MM24L",
            "global_user_id": "WASTATE1.US2FE",
            "global_strain_id": null
        }
}
```

Delete Inventory

Provides the ability to delete inventory lots within a licensed facility

****

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, "break" that association. For example, once records such as "areas", "strains", and "inventory types" are related to batches/plants/inventory lot, deleting these records will "break" the batch/plant/inventory lot that no longer has the necessary correspondences to exist. "Areas", for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

****

Request

```
POST https://watest.leafdatazone.com/api/v1/inventories/{global_inventory_id}
```

Example Request

```
https://watest.leafdatazone.com/api/v1/inventories/WAG010101.INW7X35
```

Inventory Adjustments

This endpoint is used to increase or decrease the amount of an inventory lot. This is done by passing either a positive or negative "qty" value. Calling CREATE with "qty": "-2.00", on the JSON object would decrease an Inventory Lot by 2.00.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
adjusted_at	The date an inventory adjustment takes place	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
created_at	The date/time an inventory adjustment record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~deleted_at~~	This parameter has been deprecated and will be removed in an upcoming release			
external_id	An optional free-form field used to hold any identifying factors of a particular inventory adjustment record	varchar(40)	up to 40 characters	"ADJ1234567"
global_adjusted_by_user_id	For inventory adjustments where samples are dispersed, the global user ID for the recipient of the sample; **required only if "reason" = "budtender_sample"**	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
global_id	Auto-generated unique ID for the inventory adjustment record	varchar(255)	up to 255 characters	"WAX123456.IA1Z2Y3"
global_inventory_id	The global ID of the inventory lot being adjusted	varchar(255)	up to 255 characters	"WAX12346.IN1Z2Y3"
global_mme_id	The global ID of the licensee where the inventory adjustment occurred	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_user_id	The global ID of the user who created the inventory adjustment record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
memo	Field for freeform notes to be added regarding adjustment	varchar(255)	up to 255 characters	"weekly physical count"

Parameter	Description	Type	Valid Entries (for WA)	Example
qty	The positive or negative value of the adjustment to be made	decimal(10,2)	123.45	"-123.45"
reason	The reason for the inventory adjustment	enum	reconciliation, theft, seizure, member_left_the_cooperative, internal_qa_sample, budtender_sample, vendor_sample	"reconciliation"
uom	The uom associated with the inventory being adjusted	enum	gm, ea	"gm"
~~updated_at~~	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
created_at	?f_date1={mm}%2F{dd}%2F{yyyy}&f_date2={mm}%2F{dd}%2F{yyyy}
external_id	?f_external_id={external_id}
global_id	?f_global_id={global_id}
global_inventory_id	?f_inventory_id={global_inventory_id}
qty	?f_adjusted_qty={minimum qty} (filter will return all quantities greater than minimum qty designated)

Available Functions

Get Inventory Adjustments
Create Inventory Adjustments

Get Inventory Adjustments

Returns all inventory adjustments within a licensed facility

Request

```
GET https://watest.leafdatazone.com/api/v1/inventory_adjustments
```

Response


```
{
      "total": 2,
      "per_page": 2500,
      "current_page": 1,
      "last_page": 1,
      "next_page_url": null,
      "prev_page_url": null,
      "from": 1,
      "to": 2,
      "data": [{
                  "created_at": "12/14/2017 10:45am",
                  "updated_at": "12/14/2017 10:45am",
                  "external_id": "",
                  "adjusted_at": "12/14/2017 10:45am",
                  "qty": "2.0000",
                  "uom": "ea",
                  "reason": "transfer",
                  "memo": "",
                  "deleted_at": null,
                  "global_id": "WAL050505.IACZ",
                  "global_mme_id": "WASTATE1.MM17",
                  "global_user_id": "WASTATE1.US5",
                  "global_inventory_id": "WAL050505.IN8F",
                  "global_adjusted_by_user_id": null
            },
            {
                  "created_at": "12/14/2017 10:45am",
                  "updated_at": "12/14/2017 10:45am",
                  "external_id": "",
                  "adjusted_at": "12/14/2017 10:45am",
                  "qty": "2.0000",
```

```
                "uom": "ea",
                "reason": "transfer",
                "memo": "",
                "deleted_at": null,
                "global_id": "WAL050505.IAD0",
                "global_mme_id": "WASTATE1.MM17",
                "global_user_id": "WASTATE1.US5",
                "global_inventory_id": "WAL050505.IN8G",
                "global_adjusted_by_user_id": null
            }
        ]
}
```

Create Inventory Adjustments

Provides the ability to create inventory adjustments within a licensed facility

Request

```
POST https://watest.leafdatazone.com/api/v1/inventory_adjustments
```

Example Request

```
{
        "inventory_adjustment": [{
                "external_id": "",
                "adjusted_at": "03/25/2017 10:55pm",
                "qty": "-2.00",
                "uom": "gm",
                "reason": "budtender_sample",
                "memo": "",
                "global_inventory_id": "WAG010101.INZFC",
                "global_adjusted_by_user_id": "WASTATE1.US3"
        }]
}
```

Example Response

```
[{
      "external_id": "",
      "adjusted_at": "03/25/2018 10:55pm",
      "qty": "-2.00",
      "uom": "gm",
      "reason": "budtender_sample",
      "memo": "",
      "updated_at": "03/29/2018 07:51am",
      "created_at": "03/29/2018 07:51am",
      "global_id": "WAG010101.IA1KQQ",
      "global_mme_id": "WASTATE1.MM24L",
      "global_user_id": "WASTATE1.US2FE",
      "global_inventory_id": "WAG010101.INZFC",
      "global_adjusted_by_user_id": "WASTATE1.US3"
}]
```

Inventory Transfers

This endpoint is used to transfer inventory from one Licensee to another, either to send a QA sample to a lab, or to send plants or inventory from one Producer to another. All inventory is transferred via this endpoint. There are multiple "Transfer" related endpoints. Calling CREATE to this endpoint is the first step in transferring inventory.

Note: Any instance of inventory going from one facility to another is handled with inventory transfers. This ranges from transferring a small sample to a lab, to large amounts of harvested flower being transferred to a retailer for sale.

For a ‘manifest_type’ of ‘delivery’, the sender is responsible for populating the driver, vehicle, and departure/arrival estimates.

For a ‘manifest_type’ of ‘pick-up’, the sender denotes the inventory to be transferred and the receiving licensee, and then saves the record so that the receiver can enter the driver, vehicle, and departure/arrival estimates.

For a ‘manifest_type’ of ‘licensed transporter’, the sender selects the licensed transporter facility that will perform the delivery of the inventory listed on the transfer. In this event, driver and vehicle information is not captured.

Once an ‘Inventory Transfer’ record has been created, it can be marked as ‘in transit’ using the API call /inventory_transfer_in_transit.

To receive an ‘Inventory Transfer’, please see the /receive_transfer API call.

NOTE: Multi-stop functionality has been deprecated at this time, and will be reinstated in a future release. This means that the 'multi-stop' parameter should be set to "0", and that the /inventory_transfer_delivery and /inventory_transfer_delivery_in_transit endpoints will not be usable until development of this feature is complete.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
created_at	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~deleted_at~~	This parameter has been deprecated and will be removed in an upcoming release			
~~description~~ (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
est_arrival_at*	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
est_departed_at*	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id*	An optional free-form field used to hold any identifying factors of a particular inventory transfer record	varchar(40)	up to 40 characters	"INVTRANS1234567"
external_id* (inventory item)	An optional free-form field used to hold any identifying factors of a particular inventory item on a transfer record	varchar(40)	up to 40 characters	"INVTRANS1234567"
global_batch_id (inventory item)	The global ID of the batch associated with the inventory item	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
~~global_customer_id~~ (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
~~global_from_customer_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_from_mme_id	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
~~global_from_user_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_id (inventory item)	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
global_id (inventory transfer)	Auto-generated unique ID for the inventory transfer record	varchar(255)	up to 255 characters	"WAX123456.IT1Z2Y3"
global_inventory_id (inventory item)*	The global ID relative to the sending facility of the inventory lot being transferred	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
global_inventory_transfer_id (inventory item)	The global ID of the inventory transfer that this item is associated with	varchar(255)	up to 255 characters	"WAX123456.IT1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_inventory_type_id (inventory item)	If a transfer "status"="received", the global ID of the inventory type at the receiving facility that is associated with this inventory lot	varchar(255)	up to 255 characters	"WAWA1.TY1Z2Y3"
global_lab_result_id (inventory item)	The global ID for the lab result record associated with the inventory item (if applicable)	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
global_mme_id	The global ID of the licensee where the inventory transfer/inventory item record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
~~*global_plant_id*~~ (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
global_received_area_id (inventory item)	If a transfer "status"="received", the global ID of the area at the receiving facility where the inventory is located	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
global_received_batch_id (inventory item)	If a transfer "status"="received", the global ID of the batch at the receiving facility that is associated with this inventory item	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_received_inventory_id (inventory item)	If a transfer "status"="received", the global ID of the inventory lot at the receiving facility that is associated with this inventory item	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_received_mme_id (inventory item)	If a transfer "status"="received", the global ID of the licensee who received the inventory item	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
~~*global_received_mme_user_id*~~ (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
~~*global_received_plant_id*~~ (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
global_received_strain_id (inventory item)	If a transfer "status"="received", the global ID of the strain at the receiving facility that is associated with the inventory item	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
~~global_to_customer_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_to_mme_id*	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
~~global_to_user_id~~	This parameter has been deprecated and will be removed in an upcoming release			
~~global_transporter_user_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_transporting_mme_id*	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable); **required only if "manifest_type"="transporter"**	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_user_id	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
~~hold_ends_at~~	This parameter has been deprecated and will be removed in an upcoming release			
~~hold_starts_at~~	This parameter has been deprecated and will be removed in an upcoming release			
inventory_transfer_items array	Array containing the inventory items being transferred	array		
inventory_type array	See "inventory_types" endpoint for details regarding these parameters	array		
is_for_extraction (inventory item)*	Designates material being sent from a Producer (of Producer/Processor) to a Processor (or Producer/Processor) that is being used for extraction purposes (rather than being sold as usable marijuana)	boolean	0,1	"0"
is_sample (inventory item)*	Denotes that an inventory item associated with an inventory transfer is a sample	boolean	0, 1	"1"
manifest_type*	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"

Parameter	Description	Type	Valid Entries (for WA)	Example
multi-stop	This parameter is part of functionality being deprecated from the system, however, it is currently required to be present upon creation of a transfer; it should ALWAYS be set to "0"	boolean	0,1	"0"
~~notes~~	This parameter has been deprecated and will be removed in an upcoming release			
number_of_edits	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
price (inventory item)*	The price of one unit of the inventory item	decimal(10,2)	0.00	"22.00"
product_sample_type (inventory item)*	**If an inventory item being transferred is a sample, AND the "sample_type" is "product_sample", the "product_sample_type" must be denoted**	enum	budtender_sample, vendor_sample	"vendor_sample"
qty (inventory item)*	The quantity of the inventory item being transferred	decimal(10,4)	1234.56	"1234.56"
received_at (inventory item)	If a transfer "status"="received", the date/time the transfer was received	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
received_qty (inventory item)	If a transfer "status"="received", the quantity of this inventory item received	decimal(10,4)	1234.56	"1234.56"
retest (inventory item)*	If an inventory item is designated as a "sample" of type "lab_sample", and the "sample" is being sent for retesting, denote this here	boolean	0, 1	"0"
~~route~~	This parameter has been deprecated and will be removed in an upcoming release			
sample_type (inventory item)*	**If an inventory item being transferred is a sample, then the type of sample must be denoted**	enum	lab_sample, non_mandatory_sample, product_sample	"product_sample"
status	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
~~stops~~	This parameter has been deprecated and will be removed in an upcoming release			
test_for_terpenes*	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
~~transfer_type~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
transferred_at	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
transporter_name1*	The name of the driver performing the transport	varchar(255)	up to 255 characters	"Mary Jane Doe"
transporter_name2*	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
~~type~~	This parameter has been deprecated and will be removed in an upcoming release			
uom* (inventory item)	The unit of measure associated with the inventory item (driven by the inventory type)	enum	gm, ea	"gm"
updated_at	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~vehicle_color~~	This parameter has been deprecated and will be removed in an upcoming release			
vehicle_description*	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
vehicle_license_plate*	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
vehicle_vin*	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
~~vehicle_year~~	This parameter has been deprecated and will be removed in an upcoming release			
void*	Indicates whether a transfer record has been voided; in order to properly apply this value, use the /inventory_transfers_void special function	boolean	0, 1	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
est_departed_date	?f_date1={estimated departure date}
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
global_mme_id	?f_mme_code={licensee id}
global_to_mme_id	?f_to_mme_code={recipient licensee id}
status	?f_status={status}

Available Functions

Get Inventory Transfers
Create Inventory Transfers
Update Inventory Transfers

Get Inventory Transfers

Returns all inventory transfers within a licensed facility

Request

```
GET https://watest.leafdatazone.com/api/v1/inventory_transfers
```

Example Response


```
{
      "total": 1,
      "per_page": 2500,
      "current_page": 1,
      "last_page": 1,
      "next_page_url": null,
      "prev_page_url": null,
      "from": 1,
      "to": 1,
      "data": [{
            "created_at": "04/24/2018 05:15am",
            "updated_at": "04/24/2018 05:17am",
            "hold_starts_at": "04/24/2018 05:15am",
            "number_of_edits": null,
            "hold_ends_at": "04/25/2018 05:15am",
            "external_id": "",
            "void": 0,
            "transferred_at": "04/24/2018 05:17am",
            "est_departed_at": "04/19/2018 06:13am",
            "est_arrival_at": "04/20/2018 06:13am",
            "multi_stop": 0,
            "route": "",
            "stops": "",
            "vehicle_description": "Chevrolet/CamaroSS",
            "vehicle_year": null,
            "vehicle_color": null,
            "vehicle_vin": "1Z2Y3X4W5V6U7T8S",
            "vehicle_license_plate": "ND4SPD",
            "notes": "",
            "transfer_manifest": null,
```

```
"manifest_type": "delivery",
"status": "in-transit",
"type": "inventory",
"deleted_at": null,
"transfer_type": "transfer",
"global_id": "WAG010101.ITBY",
"test_for_terpenes": 0,
"transporter_name1": "Mary Jane Doe",
"transporter_name2": "",
"global_mme_id": "WASTATE1.MM18",
"global_user_id": "WASTATE1.US5",
"global_from_mme_id": "WASTATE1.MM18",
"global_to_mme_id": "WASTATE1.MM1T",
"global_from_user_id": "WASTATE1.US5",
"global_to_user_id": null,
"global_from_customer_id": null,
"global_to_customer_id": null,
"global_transporter_user_id": null,
"global_transporting_mme_id": null,
"inventory_transfer_items": [{
      "created_at": "04/24/2018 05:15am",
      "updated_at": "04/24/2018 05:15am",
      "external_id": "",
      "is_sample": 0,
      "sample_type": null,
      "product_sample_type": "",
      "description": "Dewberry Haze Flower Lots WAG010101.INFJ WAG010101.BALY ",
      "qty": "4986.0000",
      "price": "0.00",
      "uom": "gm",
      "received_at": "",
      "received_qty": null,
      "deleted_at": null,
      "retest": 0,
      "global_id": "WAG010101.IIE7",
      "is_for_extraction": 1,
      "inventory_name": "Dewberry Haze Flower Lots",
      "strain_name": "Dewberry Haze",
      "global_mme_id": "WASTATE1.MM18",
      "global_user_id": "WASTATE1.US5",
```

```
"global_batch_id": "WAG010101.BALY",
"global_plant_id": null,
"global_inventory_id": "WAG010101.INFJ",
"global_lab_result_id": "WAL050505.LR4U",
"global_received_area_id": null,
"global_received_strain_id": null,
"global_inventory_transfer_id": "WAG010101.ITBY",
"global_received_batch_id": null,
"global_received_inventory_id": null,
"global_received_plant_id": null,
"global_received_mme_id": null,
"global_received_mme_user_id": null,
"global_customer_id": null,
"global_inventory_type_id": "WAG010101.TY94",
"inventory_type": {
      "created_at": "12/14/2017 03:47pm",
      "updated_at": "01/13/2018 11:27am",
      "external_id": "",
      "name": "Dewberry Haze Flower Lots",
      "description": "",
      "storage_instructions": "",
      "ingredients": "",
      "type": "harvest_materials",
      "allergens": "",
      "contains": "",
      "used_butane": 0,
      "net_weight": "0.00",
      "packed_qty": null,
      "cost": "0.00",
      "value": "0.00",
      "serving_num": "",
      "serving_size": "",
      "uom": "gm",
      "total_marijuana_in_grams": "0.00",
      "deleted_at": null,
      "intermediate_type": "flower_lots",
      "global_id": "WAG010101.TY94",
      "global_mme_id": "WASTATE1.MM18",
      "global_user_id": "WASTATE1.US5",
      "global_strain_id": null
```

```
                    }
                ]
            ]
}
```

Create Inventory Transfers

Provides the ability to create an inventory transfer, designating what inventory is being transferred and its destination.

Request

```
POST https://watest.leafdatazone.com/api/v1/inventory_transfers
```

Example Request


```
{
      "inventory_transfer": [{
            "manifest_type": "delivery",
            "multi_stop": "0",
            "external_id": "12345",
            "est_departed_at": "10/07/2017 02:00pm",
            "est_arrival_at": "10/07/2017 03:00pm",
            "vehicle_description": "blue mini van",
            "vehicle_license_plate": "RTE123",
            "vehicle_vin": "J1234567890",
            "global_to_mme_id": "WASTATE1.MM24M",
            "transporter_name1": "John",
            "transporter_name2": "",
            "inventory_transfer_items": [{
                  "external_id": "",
                  "is_sample": 1,
                  "sample_type": "product_sample",
                  "product_sample_type": "budtender_sample",
                  "retest": 0,
                  "qty": "1.00",
                  "uom": "gm",
                  "global_inventory_id": "WAG010101.INZFC"
            }]
      }]
}
```

Example Response


```
[{
	"created_at": "03/30/2018 09:30am",
	"updated_at": "03/30/2018 09:30am",
	"hold_starts_at": "03/30/2018 09:30am",
	"number_of_edits": null,
	"hold_ends_at": "03/31/2018 09:30am",
	"external_id": "12345",
	"void": "0",
	"transferred_at": "",
	"est_departed_at": "10/07/2017 02:00pm",
	"est_arrival_at": "10/07/2017 03:00pm",
	"multi_stop": "0",
	"route": "",
	"stops": "",
	"vehicle_description": "blue mini van",
	"vehicle_year": null,
	"vehicle_color": null,
	"vehicle_vin": "J1234567890",
	"vehicle_license_plate": "RTE123",
	"notes": "",
	"transfer_manifest": null,
	"manifest_type": "delivery",
	"status": "open",
	"type": "inventory",
	"deleted_at": null,
	"transfer_type": "transfer",
	"global_id": "WAG010101.IT9GL",
	"test_for_terpenes": "0",
	"transporter_name1": "John",
	"transporter_name2": "",
	"global_mme_id": "WASTATE1.MM24L",
	"global_user_id": "WASTATE1.US2FE",
	"global_from_mme_id": "WASTATE1.MM24L",
	"global_to_mme_id": "WASTATE1.MM24M",
	"global_from_user_id": "WASTATE1.US2FE",
	"global_to_user_id": null,
	"global_from_customer_id": null,
	"global_to_customer_id": null,
	"global_transporter_user_id": null,
```

```
"global_transporting_mme_id": null,
"inventory_transfer_items": [{
      "created_at": "03/30/2018 09:30am",
      "updated_at": "03/30/2018 09:30am",
      "external_id": "",
      "is_sample": "1",
      "sample_type": "product_sample",
      "product_sample_type": "budtender_sample",
      "description": "",
      "qty": "1.0000",
      "price": "0.00",
      "uom": "gm",
      "received_at": "",
      "received_qty": null,
      "deleted_at": null,
      "retest": "0",
      "global_id": "WAG010101.IIEYR",
      "is_for_extraction": "0",
      "inventory_name": "Shark Shock Flower Lots",
      "strain_name": "Shark Shock",
      "global_mme_id": "WASTATE1.MM24L",
      "global_user_id": "WASTATE1.US2FE",
      "global_batch_id": "WAG010101.BA2BSC",
      "global_plant_id": null,
      "global_inventory_id": "WAG010101.INZFC",
      "global_lab_result_id": null,
      "global_received_area_id": null,
      "global_received_strain_id": null,
      "global_inventory_transfer_id": "WAG010101.IT9GL",
      "global_received_batch_id": null,
      "global_received_inventory_id": null,
      "global_received_plant_id": null,
      "global_received_mme_id": null,
      "global_received_mme_user_id": null,
      "global_customer_id": null,
      "global_inventory_type_id": "WAG010101.TY40LF",
      "inventory_type": {
            "created_at": "02/11/2018 07:16pm",
            "updated_at": "02/11/2018 07:16pm",
            "external_id": "",
```

```
                "name": "Shark Shock Flower Lots",
                "description": "",
                "storage_instructions": "",
                "ingredients": "",
                "type": "harvest_materials",
                "allergens": "",
                "contains": "",
                "used_butane": "0",
                "net_weight": "0.00",
                "packed_qty": null,
                "cost": "0.00",
                "value": "0.00",
                "serving_num": "",
                "serving_size": "",
                "uom": "gm",
                "total_marijuana_in_grams": "0.00",
                "deleted_at": null,
                "intermediate_type": "flower_lots",
                "global_id": "WAG010101.TY40LF",
                "global_mme_id": "WASTATE1.MM24L",
                "global_user_id": "WASTATE1.US2FE",
                "global_strain_id": null
            }
        }]
}]
```

Update Inventory Transfers

Provides the ability to create an inventory transfer, designating what inventory is being transferred and its destination.

Request

```
POST https://watest.leafdatazone.com/api/v1/inventory_transfers/update
```

Example Request

```
{
      "inventory_transfer": [{
            "manifest_type": "delivery",
            "multi_stop": "0",
            "external_id": "12345",
            "est_departed_at": "10/07/2017 02:00pm",
            "est_arrival_at": "10/07/2017 03:00pm",
            "vehicle_description": "blue mini van",
            "vehicle_license_plate": "RTE123",
            "vehicle_vin": "J1234567890",
            "global_to_mme_id": "WASTATE1.MM24M",
            "transporter_name1": "John",
            "transporter_name2": "",
            "global_id": "WAG010101.IT9GL",
            "inventory_transfer_items": [{
                  "external_id": "",
                  "is_sample": 1,
                  "sample_type": "product_sample",
                  "product_sample_type": "budtender_sample",
                  "retest": 0,
                  "qty": "1.00",
                  "uom": "gm",
                  "global_inventory_id": "WAG010101.INZFC"
            }]
      }]
}
```

Example Response


```
[{
        "created_at": "03/30/2018 09:30am",
        "updated_at": "03/30/2018 09:30am",
        "hold_starts_at": "03/30/2018 09:30am",
        "number_of_edits": null,
        "hold_ends_at": "03/31/2018 09:30am",
        "external_id": "12345",
        "void": "0",
        "transferred_at": "",
        "est_departed_at": "10/07/2017 02:00pm",
        "est_arrival_at": "10/07/2017 03:00pm",
        "multi_stop": "0",
        "route": "",
        "stops": "",
        "vehicle_description": "blue mini van",
        "vehicle_year": null,
        "vehicle_color": null,
        "vehicle_vin": "J1234567890",
        "vehicle_license_plate": "RTE123",
        "notes": "",
        "transfer_manifest": null,
        "manifest_type": "delivery",
        "status": "open",
        "type": "inventory",
        "deleted_at": null,
        "transfer_type": "transfer",
        "global_id": "WAG010101.IT9GL",
        "test_for_terpenes": "0",
        "transporter_name1": "John",
        "transporter_name2": "",
        "global_mme_id": "WASTATE1.MM24L",
        "global_user_id": "WASTATE1.US2FE",
        "global_from_mme_id": "WASTATE1.MM24L",
        "global_to_mme_id": "WASTATE1.MM24M",
        "global_from_user_id": "WASTATE1.US2FE",
        "global_to_user_id": null,
        "global_from_customer_id": null,
        "global_to_customer_id": null,
        "global_transporter_user_id": null,
```

```
"global_transporting_mme_id": null,
"inventory_transfer_items": [{
      "created_at": "03/30/2018 09:30am",
      "updated_at": "03/30/2018 09:30am",
      "external_id": "",
      "is_sample": "1",
      "sample_type": "product_sample",
      "product_sample_type": "budtender_sample",
      "description": "",
      "qty": "1.0000",
      "price": "0.00",
      "uom": "gm",
      "received_at": "",
      "received_qty": null,
      "deleted_at": null,
      "retest": "0",
      "global_id": "WAG010101.IIEYR",
      "is_for_extraction": "0",
      "inventory_name": "Shark Shock Flower Lots",
      "strain_name": "Shark Shock",
      "global_mme_id": "WASTATE1.MM24L",
      "global_user_id": "WASTATE1.US2FE",
      "global_batch_id": "WAG010101.BA2BSC",
      "global_plant_id": null,
      "global_inventory_id": "WAG010101.INZFC",
      "global_lab_result_id": null,
      "global_received_area_id": null,
      "global_received_strain_id": null,
      "global_inventory_transfer_id": "WAG010101.IT9GL",
      "global_received_batch_id": null,
      "global_received_inventory_id": null,
      "global_received_plant_id": null,
      "global_received_mme_id": null,
      "global_received_mme_user_id": null,
      "global_customer_id": null,
      "global_inventory_type_id": "WAG010101.TY40LF",
      "inventory_type": {
            "created_at": "02/11/2018 07:16pm",
            "updated_at": "02/11/2018 07:16pm",
            "external_id": "",
```

```
                "name": "Shark Shock Flower Lots",
                "description": "",
                "storage_instructions": "",
                "ingredients": "",
                "type": "harvest_materials",
                "allergens": "",
                "contains": "",
                "used_butane": "0",
                "net_weight": "0.00",
                "packed_qty": null,
                "cost": "0.00",
                "value": "0.00",
                "serving_num": "",
                "serving_size": "",
                "uom": "gm",
                "total_marijuana_in_grams": "0.00",
                "deleted_at": null,
                "intermediate_type": "flower_lots",
                "global_id": "WAG010101.TY40LF",
                "global_mme_id": "WASTATE1.MM24L",
                "global_user_id": "WASTATE1.US2FE",
                "global_strain_id": null
            }
        }]
}]
```

Lab Results

Lab results refer to the QA testing records that can be associated with inventory lots. Lab result records can only be created by testing lab facilities but can be retrieved by all facilities for any inventory lots that are on hand at that facility (filter by lab result "global_id").

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
batch_type	Denotes the "type" of the related batch to the inventory based on the associated "global batch ID"	enum	propagation material, plant, harvest, extraction	"harvest"
~~cannabinoid_cbc_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~cannabinoid_cbc_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_cbd_mg_g*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_cbd_percent*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_cbda_mg_g*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_cbda_percent*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
~~cannabinoid_cbdv_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~cannabinoid_cbg_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~cannabinoid_cbg_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
~~cannabinoid_cbga_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~cannabinoid_cbga_percent~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
~~cannabinoid_cbn_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~cannabinoid_cbn_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
cannabinoid_d8_thc_mg_g	This is a returned value that is calculated based on the values for d9 thc and d9 thca	decimal (10,3)	0.000	"0.000"
cannabinoid_d8_thc_percent	This is a returned value that is calculated based on the values for d9 thc and d9 thca	decimal (10,3)	0.000	"0.000"
cannabinoid_d9_thc_mg_g*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_d9_thc_percent*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_d9_thca_mg_g*	The results of the cannabinoid testing	decimal (10,3)	0.000	"0.000"
cannabinoid_editor	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
cannabinoid_status*	This denotes the stage of completion of the cannabinoid/potency testing; **optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized**	enum	not_started, in_progress, completed	"completed"
~~cannabinoid_thcv_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~cannabinoid_thcv_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
copied_from_lab_id	If lab result was completed at a different (subcontracted) lab, their LEAF global lab result ID will appear here	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
created_at	The date/time a lab result record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time a lab result was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
external_id*	An optional free-form field used to hold any identifying factors of a particular lab result	varchar(40)	up to 40 characters	"QA1234567"
for_inventory_id	Auto-generated numeric ID for the inventory associated with the lab result (database value, not UI-facing)	integer(11)	1234567	"1234567"
~~foreign_matter~~	This parameter has been deprecated and will be removed in an upcoming release			
foreign_matter_seeds*	The results of the foreign matter screening for seeds	boolean	0, 1	"1"
foreign_matter_stems*	The results of the foreign matter screening for stems ("0"=passing, "1"=failing)	boolean	0, 1	"1"
global_batch_id	The global ID of the batch associated with the inventory lot that the sample came from	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
~~global_for_inventory_id~~				
~~global_for_mme_id~~	The global ID of the licensee where the lab sample originated from	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_id	Auto-generated unique ID for the lab result	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
global_inventory_id	The global ID relative to the testing lab of the inventory lot being tested	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
global_mme_id	The global ID of the licensee where the inventory transfer/inventory item record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_user_id	The global ID of the user who created the lab result record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
~~growth_regulators~~	This parameter has been deprecated and will be removed in an upcoming release			
~~herbicides_ppm~~	This parameter has been deprecated and will be removed in an upcoming release			
~~high_cbd_flag~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
~~high_thc_flag~~	This parameter has been deprecated and will be removed in an upcoming release			
intermediate_type	The product subcategory of the inventory type associated with the inventory lot being tested	enum	if "type" = "intermediate_product", then: "marijuana_mix", "non_solvent_based_concentrate", "hydrocarbon_concentrate", "CO2_concentrate", "ethanol_concentrate", "food_grade_solvent_concentrate", "infused_cooking_medium"; if "type" = "end_product", then: "liquid_edible", "solid_edible", "concentrate_for_inhalation", "topical", "infused_mix", "packaged_marijuana_mix", "sample_jar", "usable_marijuana", "capsules", "tinctures", "transdermal_patches", "suppositories"; if "type" = "immature_plant", then: "seeds", "clones", "plant_tissue"; if "type" = "mature_plant", then: "mature_plant", "non_mandatory_plant_sample"; if "type" = "harvest_materials", then: "flower", "other_material"; if "type" = "waste", then: "waste"	"usable_marijuana"
metal_arsenic_ppm*	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"
metal_cadmium_ppm*	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"

Parameter	Description	Type	Valid Entries (for WA)	Example
metal_editor	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
metal_lead_ppm*	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"
metal_mercury_ppm*	The results of the heavy metal testing	decimal (10,3)	0.000	"0.000"
metal_status*	This denotes the stage of completion of the heavy metal testing; **optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized**	enum	not_started, in_progress, completed	"completed"
~~microbial_aerobic_bacteria_cfu_g~~	This parameter has been deprecated and will be removed in an upcoming release			
microbial_bile_tolerant_cfu_g*	The results of the microbial testing	decimal (10,3)	0.000	"0.000"
microbial_editor	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
microbial_pathogenic_e_coli_cfu_g*	The results of the microbial testing	decimal (10,3)	0.000	"0.000"
microbial_salmonella_cfu_g*	The results of the microbial testing	decimal (10,3)	0.000	"0.000"
microbial_status*	This denotes the stage of completion of the microbial testing; **optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized**	enum	not_started, in_progress, completed	"completed"
~~microbial_total_coliform_cfu_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~microbial_total_viable_plate_count_cfu_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~microbial_total_yeast_mold_cfu_g~~	This parameter has been deprecated and will be removed in an upcoming release			
moisture_content_percent*	The results of the moisture content percent analysis	decimal (10,3)	0.000	"0.000"
moisture_content_water_activity_rate*	The results of the moisture content analysis	decimal (10,2)	0.000	"0.000"

Parameter	Description	Type	Valid Entries (for WA)	Example
mycotoxin_aflatoxins_ppb*	The results of the mycotoxin testing	decimal (10,3)	0.000	"0.000"
mycotoxin_editor	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
mycotoxin_ochratoxin_ppb*	The results of the mycotoxin testing	decimal (10,3)	0.000	"0.000"
mycotoxin_status*	This denotes the stage of completion of the mycotoxin testing; **optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized**	enum	not_started, in_progress, completed	"completed"
~~notes~~	This parameter has been deprecated and will be removed in an upcoming release			
og_parent_lab_result_id	If lab result is a retest replacing a parent lab result, the parent lab result global ID will appear here	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
pdf_path*	The base64-encoded file reference for the pdf lab results/Certificate of Analysis	base64-encoded file path	css; base64,/ 9j/4AAQSkZJRgABAQEAW gBaAAD/ 4gxYSUNDX1	"css; base64,/ 9j/4AAQSkZJRgABAQEAWgBaAAD/ 4gxYSUNDX1"
pesticide_abamectin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_acephate_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_acequinocyl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_acetamiprid_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_aldicarb_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_azoxystrobin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_bifenazate_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_bifenthrin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
~~pesticide_bifentrin_ppm~~	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_boscalid_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
~~pesticide_captan_ppm~~	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_carbaryl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"

Parameter	Description	Type	Valid Entries (for WA)	Example
pesticide_carbofuran_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_chlorantraniliprole_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_chlorfenapyr_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_chlorpyrifos_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_clofentezine_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_cyfluthrin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_cypermethrin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_daminozide_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_ddvp_dichlorvos_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_diazinon_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_dimethoate_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
~~pesticide_dimethomorph_ppm~~	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_editor	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
pesticide_ethoprophos_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_etofenprox_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_etoxazole_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
~~pesticide_fenhexamid_ppm~~	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_fenoxycarb_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_fenpyroximate_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_fipronil_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_flonicamid_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_fludioxonil_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_hexythiazox_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_imazalil_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_imidacloprid_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_kresoxim_methyl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_malathion_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"

Parameter	Description	Type	Valid Entries (for WA)	Example
pesticide_metalaxyl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_methiocarb_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_methomyl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_methyl_parathion_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_mgk_264_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_myclobutanil_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_naled_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_oxamyl_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_paclobutrazol_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
~~pesticide_pcnb_ppm~~	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_permethrinsa_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_phosmet_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
~~pesticide_piperonyl_butoxide_ppm~~	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_piperonyl_butoxideb_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_prallethrin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_propiconazole_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_propoxur_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
~~pesticide_pyrethrin_ppm~~	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_pyrethrinsbc_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_pyridaben_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
~~pesticide_spinetoram_ppm~~	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_spinosad_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_spiromesifen_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_spirotetramat_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
~~pesticide_spirotetramet_ppm~~	This parameter has been deprecated and will be removed in an upcoming release			
pesticide_spiroxamine_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"

Parameter	Description	Type	Valid Entries (for WA)	Example
pesticide_status*	This denotes the stage of completion of the pesticide testing; **optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized**	enum	not_started, in_progress, completed	"completed"
pesticide_tebuconazole_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_thiacloprid_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_thiamethoxam_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
pesticide_trifloxystrobin_ppm*	The results of the pesticide testing	decimal (10,3)	0.000	"0.000"
~~received_at~~	This parameter has been deprecated and will be removed in an upcoming release			
solvent_acetone_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_benzene_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_butanes_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_chloroform_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_cyclohexane_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_dichloromethane_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_editor	The last user to update the record (database value, not UI-facing)	integer(11)	1234567	"1234567"
solvent_ethyl_acetate_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
~~solvent_heptane_ppm~~	This parameter has been deprecated and will be removed in an upcoming release			
solvent_heptanes_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_hexanes_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_isopropanol_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_methanol_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_pentanes_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_propane_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"

Parameter	Description	Type	Valid Entries (for WA)	Example
solvent_status*	This denotes the stage of completion of the residual solvent testing;	enum	not_started, in_progress, completed	"completed"
solvent_toluene_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
solvent_xylene_ppm*	The results of the residual solvent testing	decimal (10,3)	0.000	"0.000"
status	Overall "pass/fail" status of the lab result	enum	passed, failed	"passed"
strain_name	Name of the strain associated with the inventory lot the sample came from	varchar(255)	up to 255 characters	"Dewberry Haze"
~~terpenoid_b_caryophyllene_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_b_caryophyllene_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_b_myrcene_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_b_myrcene_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_b_pinene_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_b_pinene_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_bisabolol_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_bisabolol_percent~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
~~terpenoid_caryophyllene_oxide_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_caryophyllene_oxide_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_editor~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_humulene_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_humulene_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_limonene_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_limonene_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_linalool_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_linalool_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_pinene_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_pinene_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_status~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_terpinolene_mg_g~~	This parameter has been deprecated and will be removed in an upcoming release			
~~terpenoid_terpinolene_percent~~	This parameter has been deprecated and will be removed in an upcoming release			
test_for_terpenes	Denotes whether the licensee is requesting non-mandatory terpene testing	boolean	0, 1	"1"

Parameter	Description	Type	Valid Entries (for WA)	Example
tested_at*	The date that the lab result record becomes complete	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
testing_status*	Denotes the stage of completion of the entirety of the lab result record; **optional upon creation of lab result record, but required to be "completed" for lab result record to be finalized**	enum	not_started, in_progress, completed	"completed"
type	The primary category of the inventory type associated with the inventory lot being tested	enum	immature_plant, mature_plant, harvest_materials, intermediate_product, end_product, waste	"end_product"
updated_at	The date/time a lab result was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
status	?f_status={status}
testing_status	?f_testing_status={testing_status}
type	?f_type={type}

Available Functions

Get Lab Results
Create Lab Results
Update Lab Results
Delete Lab Results

Get Lab Results

Returns all lab result records related to inventory lots within a licensed facility

Request

```
GET https://watest.leafdatasystems.com/api/v1/lab_results
```

Response


```
{
      "total": 1,
      "per_page": 2500,
      "current_page": 1,
      "last_page": 1,
      "next_page_url": null,
      "prev_page_url": null,
      "from": 1,
      "to": 1,
      "data": [{
            "created_at": "01/24/2018 03:11pm",
            "updated_at": "01/24/2018 03:12pm",
            "deleted_at": null,
            "external_id": "",
            "status": "passed",
            "testing_status": "completed",
            "pdf_path": "",
            "og_parent_lab_result_id": null,
            "copied_from_lab_id": null,
            "tested_at": "01/24/2018",
            "received_at": "0000-00-00 00:00:00",
            "type": "marijuana",
            "foreign_matter": 0,
            "moisture_content_percent": null,
            "herbicides_ppm": null,
            "growth_regulators_ppm": null,
            "cannabinoid_status": "completed",
            "cannabinoid_editor": 5,
            "cannabinoid_d9_thca_percent": null,
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"cannabinoid_d9_thc_mg_g": null,
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"terpenoid_terpinolene_mg_g": null,
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"terpenoid_linalool_percent": null,
```

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"microbial_pathogenic_e_coli_cfu_g": "0.00",
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```

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"global_for_inventory_id": "WAG010101.INGZ",
"for_inventory_id": 611,
"high_thc_flag": 0,
"high_cbd_flag": 0,
```

```
            "batch_type": "harvest",
            "global_mme_id": "WASTATE1.MM17",
            "global_user_id": "WASTATE1.US5",
            "global_for_mme_id": "WASTATE1.MM18",
            "global_inventory_id": "WAL050505.INII",
            "global_batch_id": "WAL050505.BAO9",
            "strain_name": "",
            "passedPesticide": false,
            "passedMycotoxin": true,
            "passedMoisture": true,
            "passedForeignMatter": true,
            "passedMicrobial": true,
            "passedSolvent": false,
            "passedMetal": false
      }]
}
```

Create Lab Results

Returns all lab result records related to inventory lots within a licensed facility

Request URL

```
POST https://watest.leafdatasystems.com/api/v1/lab_results
```

Example Request


```
{"lab_result" :[{
      "external_id": "test",
      "tested_at": "04/18/2018 12:34pm",
      "testing_status": "completed",
      "notes": "test notes",
      "received_at": "01/23/2018 4:56pm",
      "type": "harvest_materials",
      "intermediate_type": "flower_lots",
      "moisture_content_percent": "1",
      "moisture_content_water_activity_rate": ".635",
      "cannabinoid_editor": "WAWA1.US4",
      "cannabinoid_status": "completed",
      "cannabinoid_d9_thca_percent": "13.57",
      "cannabinoid_d9_thca_mg_g": null,
      "cannabinoid_d9_thc_percent": "24.68",
      "cannabinoid_d9_thc_mg_g": null,
      "cannabinoid_cbd_percent": "3.21",
      "cannabinoid_cbd_mg_g": null,
      "cannabinoid_cbda_percent": "1.23",
      "cannabinoid_cbda_mg_g": null,
      "microbial_editor": " WAWA1.US4",
      "microbial_status": "completed",
      "microbial_bile_tolerant_cfu_g": "0.00",
      "microbial_pathogenic_e_coli_cfu_g": "0.00",
      "microbial_salmonella_cfu_g": "0.00",
      "mycotoxin_editor": " WAWA1.US4",
      "mycotoxin_status": "completed",
      "mycotoxin_aflatoxins_ppb": "19.99",
      "mycotoxin_ochratoxin_ppb": "19.99",
      "metal_editor": "",
      "metal_status": "not_started",
```

```
"metal_arsenic_ppm": null,
"metal_cadmium_ppm": null,
"metal_lead_ppm": null,
"metal_mercury_ppm": null,
"pesticide_editor": "",
"pesticide_status": "not_started",
"pesticide_abamectin_ppm": null,
"pesticide_acephate_ppm": null,
"pesticide_acequinocyl_ppm": null,
"pesticide_acetamiprid_ppm": null,
"pesticide_aldicarb_ppm": null,
"pesticide_azoxystrobin_ppm": null,
"pesticide_bifenazate_ppm": null,
"pesticide_bifenthrin_ppm": null,
"pesticide_boscalid_ppm": null,
"pesticide_carbaryl_ppm": null,
"pesticide_carbofuran_ppm": null,
"pesticide_chlorantraniliprole_ppm": null,
"pesticide_chlorfenapyr_ppm": null,
"pesticide_chlorpyrifos_ppm": null,
"pesticide_clofentezine_ppm": null,
"pesticide_cyfluthrin_ppm": null,
"pesticide_cypermethrin_ppm": null,
"pesticide_daminozide_ppm": null,
"pesticide_ddvp_dichlorvos_ppm": null,
"pesticide_diazinon_ppm": null,
"pesticide_dimethoate_ppm": null,
"pesticide_ethoprophos_ppm": null,
"pesticide_etofenprox_ppm": null,
"pesticide_etoxazole_ppm": null,
"pesticide_fenoxycarb_ppm": null,
"pesticide_fenpyroximate_ppm": null,
"pesticide_fipronil_ppm": null,
"pesticide_flonicamid_ppm": null,
"pesticide_fludioxonil_ppm": null,
"pesticide_hexythiazox_ppm": null,
"pesticide_imazalil_ppm": null,
"pesticide_imidacloprid_ppm": null,
"pesticide_kresoxim_methyl_ppm": null,
"pesticide_malathion_ppm": null,
```

```
"pesticide_metalaxyl_ppm": null,
"pesticide_methiocarb_ppm": null,
"pesticide_methomyl_ppm": null,
"pesticide_methyl_parathion_ppm": null,
"pesticide_mgk_264_ppm": null,
"pesticide_myclobutanil_ppm": null,
"pesticide_naled_ppm": null,
"pesticide_oxamyl_ppm": null,
"pesticide_paclobutrazol_ppm": null,
"pesticide_permethrinsa_ppm": null,
"pesticide_phosmet_ppm": null,
"pesticide_piperonyl_butoxideb_ppm": null,
"pesticide_prallethrin_ppm": null,
"pesticide_propiconazole_ppm": null,
"pesticide_propoxur_ppm": null,
"pesticide_pyrethrinsbc_ppm": null,
"pesticide_pyridaben_ppm": null,
"pesticide_spinosad_ppm": null,
"pesticide_spiromesifen_ppm": null,
"pesticide_spirotetramat_ppm": null,
"pesticide_spiroxamine_ppm": null,
"pesticide_tebuconazole_ppm": null,
"pesticide_thiacloprid_ppm": null,
"pesticide_thiamethoxam_ppm": null,
"pesticide_trifloxystrobin_ppm": null,
"solvent_editor": "",
"solvent_status": "not_started",
"solvent_acetone_ppm": null,
"solvent_benzene_ppm": null,
"solvent_butanes_ppm": null,
"solvent_cyclohexane_ppm": null,
"solvent_chloroform_ppm": null,
"solvent_dichloromethane_ppm": null,
"solvent_ethyl_acetate_ppm": null,
"solvent_heptanes_ppm": null,
"solvent_hexanes_ppm": null,
"solvent_isopropanol_ppm": null,
"solvent_methanol_ppm": null,
"solvent_pentanes_ppm": null,
"solvent_propane_ppm": null,
```

```
      "solvent_toluene_ppm": null,
      "solvent_xylene_ppm": null,
      "foreign_matter_stems": "1",
      "foreign_matter_seeds": "0",
      "test_for_terpenes": "0",
      "global_for_mme_id": "WAWA1.MM1VA",
      "global_inventory_id": "WAL400004.IN6I",
      "global_batch_id": "WAL400004.BA5A",
      "global_for_inventory_id": "WAG100001.IN6C"
}]}
```

Example Response


```
[{
      "external_id": "test",
      "tested_at": "04/18/2018 12:34pm",
      "testing_status": "completed",
      "notes": "test notes",
      "received_at": "01/23/2018 4:56pm",
      "type": "harvest_materials",
      "intermediate_type": "flower_lots",
      "moisture_content_percent": "1",
      "moisture_content_water_activity_rate": ".635",
      "cannabinoid_editor": "WAWA1.US4",
      "cannabinoid_status": "completed",
      "cannabinoid_d9_thca_percent": "13.57",
      "cannabinoid_d9_thca_mg_g": null,
      "cannabinoid_d9_thc_percent": "24.68",
      "cannabinoid_d9_thc_mg_g": null,
      "cannabinoid_cbd_percent": "3.21",
      "cannabinoid_cbd_mg_g": null,
      "cannabinoid_cbda_percent": "1.23",
      "cannabinoid_cbda_mg_g": null,
      "microbial_editor": " WAWA1.US4",
      "microbial_status": "completed",
      "microbial_bile_tolerant_cfu_g": "0.00",
      "microbial_pathogenic_e_coli_cfu_g": "0.00",
      "microbial_salmonella_cfu_g": "0.00",
      "mycotoxin_editor": " WAWA1.US4",
      "mycotoxin_status": "completed",
      "mycotoxin_aflatoxins_ppb": "19.99",
      "mycotoxin_ochratoxin_ppb": "19.99",
      "metal_editor": "",
      "metal_status": "not_started",
      "metal_arsenic_ppm": null,
      "metal_cadmium_ppm": null,
      "metal_lead_ppm": null,
      "metal_mercury_ppm": null,
      "pesticide_editor": "",
      "pesticide_status": "not_started",
      "pesticide_abamectin_ppm": null,
      "pesticide_acephate_ppm": null,
```

```
"pesticide_acequinocyl_ppm": null,
"pesticide_acetamiprid_ppm": null,
"pesticide_aldicarb_ppm": null,
"pesticide_azoxystrobin_ppm": null,
"pesticide_bifenazate_ppm": null,
"pesticide_bifenthrin_ppm": null,
"pesticide_boscalid_ppm": null,
"pesticide_carbaryl_ppm": null,
"pesticide_carbofuran_ppm": null,
"pesticide_chlorantraniliprole_ppm": null,
"pesticide_chlorfenapyr_ppm": null,
"pesticide_chlorpyrifos_ppm": null,
"pesticide_clofentezine_ppm": null,
"pesticide_cyfluthrin_ppm": null,
"pesticide_cypermethrin_ppm": null,
"pesticide_daminozide_ppm": null,
"pesticide_ddvp_dichlorvos_ppm": null,
"pesticide_diazinon_ppm": null,
"pesticide_dimethoate_ppm": null,
"pesticide_ethoprophos_ppm": null,
"pesticide_etofenprox_ppm": null,
"pesticide_etoxazole_ppm": null,
"pesticide_fenoxycarb_ppm": null,
"pesticide_fenpyroximate_ppm": null,
"pesticide_fipronil_ppm": null,
"pesticide_flonicamid_ppm": null,
"pesticide_fludioxonil_ppm": null,
"pesticide_hexythiazox_ppm": null,
"pesticide_imazalil_ppm": null,
"pesticide_imidacloprid_ppm": null,
"pesticide_kresoxim_methyl_ppm": null,
"pesticide_malathion_ppm": null,
"pesticide_metalaxyl_ppm": null,
"pesticide_methiocarb_ppm": null,
"pesticide_methomyl_ppm": null,
"pesticide_methyl_parathion_ppm": null,
"pesticide_mgk_264_ppm": null,
"pesticide_myclobutanil_ppm": null,
"pesticide_naled_ppm": null,
"pesticide_oxamyl_ppm": null,
```

```
"pesticide_paclobutrazol_ppm": null,
"pesticide_permethrinsa_ppm": null,
"pesticide_phosmet_ppm": null,
"pesticide_piperonyl_butoxideb_ppm": null,
"pesticide_prallethrin_ppm": null,
"pesticide_propiconazole_ppm": null,
"pesticide_propoxur_ppm": null,
"pesticide_pyrethrinsbc_ppm": null,
"pesticide_pyridaben_ppm": null,
"pesticide_spinosad_ppm": null,
"pesticide_spiromesifen_ppm": null,
"pesticide_spirotetramat_ppm": null,
"pesticide_spiroxamine_ppm": null,
"pesticide_tebuconazole_ppm": null,
"pesticide_thiacloprid_ppm": null,
"pesticide_thiamethoxam_ppm": null,
"pesticide_trifloxystrobin_ppm": null,
"solvent_editor": "",
"solvent_status": "not_started",
"solvent_acetone_ppm": null,
"solvent_benzene_ppm": null,
"solvent_butanes_ppm": null,
"solvent_cyclohexane_ppm": null,
"solvent_chloroform_ppm": null,
"solvent_dichloromethane_ppm": null,
"solvent_ethyl_acetate_ppm": null,
"solvent_hexanes_ppm": null,
"solvent_isopropanol_ppm": null,
"solvent_methanol_ppm": null,
"solvent_pentanes_ppm": null,
"solvent_propane_ppm": null,
"solvent_toluene_ppm": null,
"solvent_xylene_ppm": null,
"foreign_matter_stems": "1",
"foreign_matter_seeds": "0",
"test_for_terpenes": "0",
"for_inventory_id": "45912",
"updated_at": "04/19/2018 02:46pm",
"created_at": "04/19/2018 02:46pm",
"global_id": "WAL000555.LR2FH",
```

```
      "global_for_inventory_id": "WAG010101.INZFC",
      "global_mme_id": "WASTATE1.MM24N",
      "global_user_id": "WASTATE1.US2FE",
      "global_for_mme_id": "WASTATE1.MM24M",
      "global_inventory_id": "WAL000555.IN1008",
      "global_batch_id": "WAL000555.BA2CCN",
      "strain_name": ""
}]
```

Update Lab Results

Returns all lab result records related to inventory lots within a licensed facility

Request URL

```
POST https://watest.leafdatasystems.com/api/v1/lab_results/update
```

Example Request

```
{"lab_result" :[{
      "external_id": "test",
      "tested_at": "04/18/2018 12:34pm",
      "testing_status": "completed",
      "notes": "test notes",
      "received_at": "01/23/2018 4:56pm",
      "type": "harvest_materials",
      "intermediate_type": "flower_lots",
      "moisture_content_percent": "1",
      "moisture_content_water_activity_rate": ".635",
      "cannabinoid_editor": "WAWA1.US4",
      "cannabinoid_status": "completed",
      "cannabinoid_d9_thca_percent": "13.57",
      "cannabinoid_d9_thca_mg_g": null,
      "cannabinoid_d9_thc_percent": "24.68",
      "cannabinoid_d9_thc_mg_g": null,
      "cannabinoid_cbd_percent": "3.21",
      "cannabinoid_cbd_mg_g": null,
      "cannabinoid_cbda_percent": "1.23",
      "cannabinoid_cbda_mg_g": null,
      "microbial_editor": " WAWA1.US4",
      "microbial_status": "completed",
      "microbial_bile_tolerant_cfu_g": "0.00",
      "microbial_pathogenic_e_coli_cfu_g": "0.00",
      "microbial_salmonella_cfu_g": "0.00",
      "mycotoxin_editor": " WAWA1.US4",
      "mycotoxin_status": "completed",
      "mycotoxin_aflatoxins_ppb": "19.99",
      "mycotoxin_ochratoxin_ppb": "19.99",
      "metal_editor": "",
      "metal_status": "not_started",
```

```
"metal_arsenic_ppm": null,
"metal_cadmium_ppm": null,
"metal_lead_ppm": null,
"metal_mercury_ppm": null,
"pesticide_editor": "",
"pesticide_status": "not_started",
"pesticide_abamectin_ppm": null,
"pesticide_acephate_ppm": null,
"pesticide_acequinocyl_ppm": null,
"pesticide_acetamiprid_ppm": null,
"pesticide_aldicarb_ppm": null,
"pesticide_azoxystrobin_ppm": null,
"pesticide_bifenazate_ppm": null,
"pesticide_bifenthrin_ppm": null,
"pesticide_boscalid_ppm": null,
"pesticide_carbaryl_ppm": null,
"pesticide_carbofuran_ppm": null,
"pesticide_chlorantraniliprole_ppm": null,
"pesticide_chlorfenapyr_ppm": null,
"pesticide_chlorpyrifos_ppm": null,
"pesticide_clofentezine_ppm": null,
"pesticide_cyfluthrin_ppm": null,
"pesticide_cypermethrin_ppm": null,
"pesticide_daminozide_ppm": null,
"pesticide_ddvp_dichlorvos_ppm": null,
"pesticide_diazinon_ppm": null,
"pesticide_dimethoate_ppm": null,
"pesticide_ethoprophos_ppm": null,
"pesticide_etofenprox_ppm": null,
"pesticide_etoxazole_ppm": null,
"pesticide_fenoxycarb_ppm": null,
"pesticide_fenpyroximate_ppm": null,
"pesticide_fipronil_ppm": null,
"pesticide_flonicamid_ppm": null,
"pesticide_fludioxonil_ppm": null,
"pesticide_hexythiazox_ppm": null,
"pesticide_imazalil_ppm": null,
"pesticide_imidacloprid_ppm": null,
"pesticide_kresoxim_methyl_ppm": null,
"pesticide_malathion_ppm": null,
```

```
"pesticide_metalaxyl_ppm": null,
"pesticide_methiocarb_ppm": null,
"pesticide_methomyl_ppm": null,
"pesticide_methyl_parathion_ppm": null,
"pesticide_mgk_264_ppm": null,
"pesticide_myclobutanil_ppm": null,
"pesticide_naled_ppm": null,
"pesticide_oxamyl_ppm": null,
"pesticide_paclobutrazol_ppm": null,
"pesticide_permethrinsa_ppm": null,
"pesticide_phosmet_ppm": null,
"pesticide_piperonyl_butoxideb_ppm": null,
"pesticide_prallethrin_ppm": null,
"pesticide_propiconazole_ppm": null,
"pesticide_propoxur_ppm": null,
"pesticide_pyrethrinsbc_ppm": null,
"pesticide_pyridaben_ppm": null,
"pesticide_spinosad_ppm": null,
"pesticide_spiromesifen_ppm": null,
"pesticide_spirotetramat_ppm": null,
"pesticide_spiroxamine_ppm": null,
"pesticide_tebuconazole_ppm": null,
"pesticide_thiacloprid_ppm": null,
"pesticide_thiamethoxam_ppm": null,
"pesticide_trifloxystrobin_ppm": null,
"solvent_editor": "",
"solvent_status": "not_started",
"solvent_acetone_ppm": null,
"solvent_benzene_ppm": null,
"solvent_butanes_ppm": null,
"solvent_cyclohexane_ppm": null,
"solvent_chloroform_ppm": null,
"solvent_dichloromethane_ppm": null,
"solvent_ethyl_acetate_ppm": null,
"solvent_heptanes_ppm": null,
"solvent_hexanes_ppm": null,
"solvent_isopropanol_ppm": null,
"solvent_methanol_ppm": null,
"solvent_pentanes_ppm": null,
"solvent_propane_ppm": null,
```

```
      "solvent_toluene_ppm": null,
      "solvent_xylene_ppm": null,
      "foreign_matter_stems": "1",
      "foreign_matter_seeds": "0",
      "test_for_terpenes": "0",
      "global_for_mme_id": "WAWA1.MM1VA",
      "global_inventory_id": "WAL400004.IN6I",
      "global_batch_id": "WAL400004.BA5A",
      "global_for_inventory_id": "WAG100001.IN6C"
}]}
```

Example Response


```
[{
      "external_id": "test",
      "tested_at": "04/18/2018 12:34pm",
      "testing_status": "completed",
      "notes": "test notes",
      "received_at": "01/23/2018 4:56pm",
      "type": "harvest_materials",
      "intermediate_type": "flower_lots",
      "moisture_content_percent": "1",
      "moisture_content_water_activity_rate": ".635",
      "cannabinoid_editor": "WAWA1.US4",
      "cannabinoid_status": "completed",
      "cannabinoid_d9_thca_percent": "13.57",
      "cannabinoid_d9_thca_mg_g": null,
      "cannabinoid_d9_thc_percent": "24.68",
      "cannabinoid_d9_thc_mg_g": null,
      "cannabinoid_cbd_percent": "3.21",
      "cannabinoid_cbd_mg_g": null,
      "cannabinoid_cbda_percent": "1.23",
      "cannabinoid_cbda_mg_g": null,
      "microbial_editor": " WAWA1.US4",
      "microbial_status": "completed",
      "microbial_bile_tolerant_cfu_g": "0.00",
      "microbial_pathogenic_e_coli_cfu_g": "0.00",
      "microbial_salmonella_cfu_g": "0.00",
      "mycotoxin_editor": " WAWA1.US4",
      "mycotoxin_status": "completed",
      "mycotoxin_aflatoxins_ppb": "19.99",
      "mycotoxin_ochratoxin_ppb": "19.99",
      "metal_editor": "",
      "metal_status": "not_started",
      "metal_arsenic_ppm": null,
      "metal_cadmium_ppm": null,
      "metal_lead_ppm": null,
      "metal_mercury_ppm": null,
      "pesticide_editor": "",
      "pesticide_status": "not_started",
      "pesticide_abamectin_ppm": null,
      "pesticide_acephate_ppm": null,
```

```
"pesticide_acequinocyl_ppm": null,
"pesticide_acetamiprid_ppm": null,
"pesticide_aldicarb_ppm": null,
"pesticide_azoxystrobin_ppm": null,
"pesticide_bifenazate_ppm": null,
"pesticide_bifenthrin_ppm": null,
"pesticide_boscalid_ppm": null,
"pesticide_carbaryl_ppm": null,
"pesticide_carbofuran_ppm": null,
"pesticide_chlorantraniliprole_ppm": null,
"pesticide_chlorfenapyr_ppm": null,
"pesticide_chlorpyrifos_ppm": null,
"pesticide_clofentezine_ppm": null,
"pesticide_cyfluthrin_ppm": null,
"pesticide_cypermethrin_ppm": null,
"pesticide_daminozide_ppm": null,
"pesticide_ddvp_dichlorvos_ppm": null,
"pesticide_diazinon_ppm": null,
"pesticide_dimethoate_ppm": null,
"pesticide_ethoprophos_ppm": null,
"pesticide_etofenprox_ppm": null,
"pesticide_etoxazole_ppm": null,
"pesticide_fenoxycarb_ppm": null,
"pesticide_fenpyroximate_ppm": null,
"pesticide_fipronil_ppm": null,
"pesticide_flonicamid_ppm": null,
"pesticide_fludioxonil_ppm": null,
"pesticide_hexythiazox_ppm": null,
"pesticide_imazalil_ppm": null,
"pesticide_imidacloprid_ppm": null,
"pesticide_kresoxim_methyl_ppm": null,
"pesticide_malathion_ppm": null,
"pesticide_metalaxyl_ppm": null,
"pesticide_methiocarb_ppm": null,
"pesticide_methomyl_ppm": null,
"pesticide_methyl_parathion_ppm": null,
"pesticide_mgk_264_ppm": null,
"pesticide_myclobutanil_ppm": null,
"pesticide_naled_ppm": null,
"pesticide_oxamyl_ppm": null,
```

```
"pesticide_paclobutrazol_ppm": null,
"pesticide_permethrinsa_ppm": null,
"pesticide_phosmet_ppm": null,
"pesticide_piperonyl_butoxideb_ppm": null,
"pesticide_prallethrin_ppm": null,
"pesticide_propiconazole_ppm": null,
"pesticide_propoxur_ppm": null,
"pesticide_pyrethrinsbc_ppm": null,
"pesticide_pyridaben_ppm": null,
"pesticide_spinosad_ppm": null,
"pesticide_spiromesifen_ppm": null,
"pesticide_spirotetramat_ppm": null,
"pesticide_spiroxamine_ppm": null,
"pesticide_tebuconazole_ppm": null,
"pesticide_thiacloprid_ppm": null,
"pesticide_thiamethoxam_ppm": null,
"pesticide_trifloxystrobin_ppm": null,
"solvent_editor": "",
"solvent_status": "not_started",
"solvent_acetone_ppm": null,
"solvent_benzene_ppm": null,
"solvent_butanes_ppm": null,
"solvent_cyclohexane_ppm": null,
"solvent_chloroform_ppm": null,
"solvent_dichloromethane_ppm": null,
"solvent_ethyl_acetate_ppm": null,
"solvent_hexanes_ppm": null,
"solvent_isopropanol_ppm": null,
"solvent_methanol_ppm": null,
"solvent_pentanes_ppm": null,
"solvent_propane_ppm": null,
"solvent_toluene_ppm": null,
"solvent_xylene_ppm": null,
"foreign_matter_stems": "1",
"foreign_matter_seeds": "0",
"test_for_terpenes": "0",
"for_inventory_id": "45912",
"updated_at": "04/19/2018 02:46pm",
"created_at": "04/19/2018 02:46pm",
"global_id": "WAL000555.LR2FH",
```

```
      "global_for_inventory_id": "WAG010101.INZFC",
      "global_mme_id": "WASTATE1.MM24N",
      "global_user_id": "WASTATE1.US2FE",
      "global_for_mme_id": "WASTATE1.MM24M",
      "global_inventory_id": "WAL000555.IN1008",
      "global_batch_id": "WAL000555.BA2CCN",
      "strain_name": ""
}]
```

Delete Lab Results

Provides the ability to delete lab result records

****

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, "break" that association. For example, once records such as "areas", "strains", and "inventory types" are related to batches/plants/inventory lot, deleting these records will "break" the batch/plant/inventory lot that no longer has the necessary correspondences to exist. "Areas", for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

****

Request

```
DELETE https://watest.leafdatazone.com/api/v1/lab_results/{global_lab_results_id}
```

Example Request

```
https://watest.leafdatazone.com/api/v1/lab_results/WAL090909.LR3CW
```

Plants

Plant records are created (either upon creation of a "plant" type batch or in addition to an existing "plant" type batch) to represent individual plants at a production facility that are in their vegetative or flowering phases. Once plants are no longer living at the facility, their stage denotes their disposition, such as "harvested", "destroyed", "transferred", or "seized". Since immature plants (propagation material such as seeds, clones, and tissue culture) are treated as "inventory", plant records are not created for these immature plants until they reach their vegetative phase. A plant's "area" and "strain" is driven by the batch to which it is associated.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
~~additives~~	This parameter has been deprecated and will be removed in an upcoming release			
area_id	Auto-generated numeric ID for the area where the plant is located (database value, not UI-facing)	integer(11)	1234567	"1234567"
area_name	Name of the area associated with the batch	varchar(255)	up to 255 characters	"Flowering Room 100"
batch_id	Auto-generated numeric ID for the batch related to this instance of a plant (database value, not UI-facing)	integer(11)	1234567	"1234567"
~~batch_source~~	This parameter has been deprecated and will be removed in an upcoming release			
created_at	The date/time a plant record was created	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
deleted_at	The date/time a plant record was deleted	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
external_id*	An optional free-form field used to hold any identifying factors of a particular plant	varchar(40)	up to 40 characters	"PL1234567"
global_area_id	The global ID of the area where the plant is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id*	The global ID of the batch associated with the plant	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_id	Auto-generated unique ID for the plant	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
global_mme_id	The global ID of the licensed facility where the plant was created	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_strain_id	The global ID of the strain associated with the plant	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"
global_user_id	The global ID of the user who created the plant	varchar(255)	WAWA1.US1Z2Y3	"WAWA1.US1Z2Y3"
~~group_name~~	This parameter has been deprecated and will be removed in an upcoming release			
id	Auto-generated numeric ID for this instance of a plant (database value, not UI-facing)	integer(11)	1234567	"1234567"
inventory_id	If plant has been moved to inventory, auto-generated numeric ID representing the inventory lot plant is packaged into	integer(11)	1234567	"1234567"
is_initial_inventory*	Denotes whether a plant represents post-contingency on hand inventory created by 4/30/2018	boolean	0, 1	"1"
is_mother*	Designates a plant as a mother plant	boolean	0, 1	"1"
last_moved_at	The date/time a plant record was moved from one area to another	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
legacy_id	FE term for "legacy_id" is "Contingency/Old Traceability ID"; **numeric ID from previous traceability methods entered only if plant is designated as "initial_inventory", in which case it is required**	integer(11)	1234567898765432	"1234567898765432"
mme_code	Licensee ID of the licensed facility where the plant was created	varchar(255)	up to 255 characters	"G010101"
mme_id	Auto-generated numeric ID representing the licensee who owns the plant (database value, not UI-facing)	integer(11)	1234567	"1234567"
mme_name	Name of the licensed facility where the plant was created	varchar(255)	up to 255 characters	"Training Producer"
mother_plant_id	Auto-generated numeric ID of the "mother_plant" related to this plant record (database value, not UI-facing)	integer(11)	1234567	"1234567"
~~notes~~	This parameter has been deprecated and will be removed in an upcoming release			
~~nutrients~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
origin	Indicates propagation source of the plant (for "propagation material", "plant", and "harvest" batch types)	enum	seed, clone, plant, tissue	"clone"
~~pesticides~~	This parameter has been deprecated and will be removed in an upcoming release			
plant_created_at	The date/time a plant record was created (returned datetime format differs from create datetime format)	datetime	mm/dd/yyyy	"01/23/2018"
plant_created_at	The date/time a plant record was created (returned datetime format differs from create datetime format)	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
plant_harvested_at*	The date/time a plant record was harvested	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
plant_harvested_end_at*	The date/time a plant record harvest ended	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
stage*	Current development stage of the plants in the batch	enum	propagation_material, growing, harvested, packaged, destroyed	"growing"
strain_id	Auto-generated numeric ID representing the strain related to this plant record (database value, not UI-facing)	integer(11)	1234567	"1234567"
strain_name	Name of the strain associated with the batch	varchar(255)	up to 255 characters	"Dewberry Haze"
updated_at	The date/time a plant record was updated	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
user_id	Auto-generated numeric ID representing the user who created this plant record (database value, not UI-facing)	integer(11)	1234567	"1234567"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_batch_id	?f_batch_id={global_batch_id}
global_id	?f_global_id={global_id}
origin	?f_origin={propagation source}

Available Functions

Get Plants
Create Plants
Update Plants
Delete Plants

Get Plants

Returns all plants within a licensed facility

Request

```
GET https://watest.leafdatazone.com/api/v1/plants
```

Example Response


```
{
      "total": 2,
      "per_page": 2500,
      "current_page": 1,
      "last_page": 1,
      "next_page_url": null,
      "prev_page_url": null,
      "from": 1,
      "to": 2,
      "data": [{
                  "id": 53276,
                  "created_at": "2017-12-21 12:08:30",
                  "updated_at": "2017-12-21 12:08:30",
                  "mme_id": 42,
                  "user_id": 39,
                  "external_id": "000120117.5246798",
                  "area_id": 226,
                  "batch_id": 636,
                  "mother_plant_id": 0,
                  "plant_created_at": "2017-12-21 00:00:00",
                  "plant_harvested_at": "0000-00-00 00:00:00",
                  "is_initial_inventory": 0,
                  "origin": "clone",
                  "stage": "growing",
                  "notes": "",
                  "group_name": "",
                  "pesticides": "",
                  "nutrients": "",
                  "strain_id": 185,
                  "additives": "",
                  "is_mother": 0,
```

```
        "deleted_at": null,
        "last_moved_at": null,
        "plant_harvested_end_at": null,
        "global_id": "WAG010101.PL153W",
        "inventory_id": 0,
        "legacy_id": null,
        "global_area_id": "WAG010101.AR6A",
        "area_name": "Transfer Hold",
        "global_batch_id": "WAG010101.BAHO",
        "batch_source": "inhouse",
        "global_mme_id": "WAG010101.MM16",
        "mme_name": "Training Producer",
        "mme_code": "G010101",
        "global_user_id": "WAG010101.US13",
        "global_strain_id": "WAG010101.ST55",
        "strain_name": "Jack Herer"
},
{
        "id": 53275,
        "created_at": "2017-12-21 12:03:43",
        "updated_at": "2017-12-21 12:03:43",
        "mme_id": 42,
        "user_id": 39,
        "external_id": "000120117.5246798",
        "area_id": 204,
        "batch_id": 635,
        "mother_plant_id": 0,
        "plant_created_at": "2017-12-21 00:00:00",
        "plant_harvested_at": "0000-00-00 00:00:00",
        "is_initial_inventory": 0,
        "origin": "seed",
        "stage": "growing",
        "notes": "",
        "group_name": "",
        "pesticides": "",
        "nutrients": "",
        "strain_id": 185,
        "additives": "",
        "is_mother": 0,
        "deleted_at": null,
```

```
                "last_moved_at": null,
                "plant_harvested_end_at": null,
                "global_id": "WAG010101.PL153V",
                "inventory_id": 0,
                "legacy_id": null,
                "global_area_id": "WAG010101.AR5O",
                "area_name": "Sales Floor",
                "global_batch_id": "WAG010101.BAHN",
                "batch_source": "inhouse",
                "global_mme_id": "WASTATE1.MM16",
                "mme_name": "Training Producer",
                "mme_code": "G010101",
                "global_user_id": "WASTATE1.US13",
                "global_strain_id": "WAG010101.ST55",
                "strain_name": "Jack Herer"
            }
        ]
}
```

Create Plants

Provides the ability to create plants within a licensed facility

Request

```
POST https://watest.leafdatazone.com/api/v1/plants
```

Example Request

```
{
        "plant": [{
                "origin": "seed",
                "stage": "growing",
                "global_batch_id": "WAG010101.BADV"
        }]
}
```

Example Response

```
[{
      "origin": "seed",
      "plant_created_at": "12/22/2017",
      "stage": "growing",
      "updated_at": "12/22/2017 01:30pm",
      "created_at": "12/22/2017 01:30pm",
      "global_id": "WAG010101.PL15AU",
      "global_mme_id": "WAG010101.MM18",
      "global_user_id": "WAG010101.US13",
      "global_batch_id": "WAG010101.BADV",
      "global_area_id": "WAG010101.AR64",
      "global_mother_plant_id": null,
      "global_strain_id": "WAG010101.ST4U"
}]
```

Update Plants

Provides the ability to update existing plants within a licensed facility

Request

```
POST https://watest.leafdatazone.com/api/v1/plants/update
```

Example Request

```
{
        "plant": [{
                "origin": "seed",
                "stage": "growing",
                "global_batch_id": "WAG010101.BADV"
        }]
}
```

Example Response

```
[{
      "origin": "seed",
      "plant_created_at": "12/22/2017",
      "stage": "growing",
      "updated_at": "12/22/2017 01:30pm",
      "created_at": "12/22/2017 01:30pm",
      "global_id": "WAG010101.PL15AU",
      "global_mme_id": "WAG010101.MM18",
      "global_user_id": "WAG010101.US13",
      "global_batch_id": "WAG010101.BADV",
      "global_area_id": "WAG010101.AR64",
      "global_mother_plant_id": null,
      "global_strain_id": "WAG010101.ST4U"
}]
```

Delete Plants

Provides the ability to delete plant records

****

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, "break" that association. For example, once records such as "areas", "strains", and "inventory types" are related to batches/plants/inventory lot, deleting these records will "break" the batch/plant/inventory lot that no longer has the necessary correspondences to exist. "Areas", for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

****

Request

```
DELETE https://watest.leafdatazone.com/api/v1/plants/{global_plant_id}
```

Example Request

```
https://watest.leafdatazone.com/api/v1/plants/WAG010101.PLX9Y
```

Sales

Sale records represent both wholesale and retail transactions, so the GET call will return any related sale records at a facility.

Retail transactions (for Retailers) are created through a sale POST call, while wholesale transactions (for Producers and Processors) are created by associating sale prices with inventory lots on an inventory transfer.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
batch_type	Denotes the "type" of the related batch to the inventory based on the associated "global batch ID"	enum	propagation material, plant, harvest, extraction	"harvest"
caregiver_id	ID assigned to caregiver for patient	varchar(255)	up to 255 characters	"0123459876"
~~cog_total~~	This parameter has been deprecated and will be removed in an upcoming release			
~~cost~~	This parameter has been deprecated and will be removed in an upcoming release			
~~created_at~~	The date/time a sale record was created	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
~~deleted_at~~	This parameter has been deprecated and will be removed in an upcoming release			
~~discount_total~~	This parameter has been deprecated and will be removed in an upcoming release			
external_id (sale)	An optional free-form field used to hold any identifying factors of a particular sale record	varchar(40)	up to 40 characters	"SALE1234567"
external_id (inventory item)	An optional free-form field used to hold any identifying factors of an inventory item	varchar(40)	up to 40 characters	"LOT1234567"
global_area_id	The global ID of the area where the inventory was sold from	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
~~global_customer_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_id	Auto-generated unique ID for the sale record	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
global_inventory_id	The global ID of the inventory lot(s) being sold	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_mme_id	The global ID of the licensed facility where the sale record was created	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"
global_sold_by_user_id	The global ID of the user who performed the sale transaction	varchar(255)	WAWA1.US1Z2Y3	"WAWA1.US1Z2Y3"
global_user_id	The global ID of the user who created the sale record	varchar(255)	WAWA1.US1Z2Y3	"WAWA1.US1Z2Y3"
name	The name assigned to the inventory item being sold, derived from the inventory type associated with the inventory lot	varchar(255)	up to 255 characters	"Dewberry Haze Pre-Packs 3.5gm
patient_medical_id	ID assigned to medical marijuana patient; **required if "sale_type"="retail_medical"**	varchar(255)	up to 255 characters	"0123459876"
~~potency~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
price_total	The total sale price based on the unit_price multiplied by the quantity of items being sold	decimal(10,2)	0.00	"22.00"
qty	The number of a particular inventory item that is being sold	decimal(10,4)	0.0000	"1.0000"
~~reason~~	This parameter has been deprecated and will be removed in an upcoming release			
~~returned_at~~	This parameter has been deprecated and will be removed in an upcoming release			
~~returned_reason~~	This parameter has been deprecated and will be removed in an upcoming release			
return_to_inventory	Required field if "status"="return" denoting whether or not the inventory lot associated with the sale should be incremented by the amount being returned (allows for "refund" function that is separate from "restock" function)	boolean	0, 1	"0"
sale_item_id	Auto-generated numeric ID for an item associated with a sale record (database value, not UI-facing)	integer(11)	1234567	"1234567"
~~sale_item_taxes~~	This parameter has been deprecated and will be removed in an upcoming release			
~~(sale) type~~	This parameter has been deprecated and will be removed in an upcoming release			
sold_at	This offers the ability to denote the date a sale occurred, relative to "Sold Date" in UI (/sales/create); marked as "required" as sale record does not return in GET call without this field populated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~source~~	This parameter has been deprecated and will be removed in an upcoming release			
status	Designates whether the sale transaction is a sale or return	enum	sale, return	"sale"
~~tax_total~~	This parameter has been deprecated and will be removed in an upcoming release			
type	Designates whether a retail sale is to a medical patient or recreational customer	enum	retail_medical, retail_recreational	"retail_recreational"
~~unit_cog~~	This parameter has been deprecated and will be removed in an upcoming release			
unit_price	The sale price of an individual unit of the inventory being sold	decimal(10,2)	0.00	"22.00"
uom	The unit of measure associated with the inventory lot being sold, derived from the associated inventory types	enum	gm, ea	"gm"
~~updated_at~~	This parameter has been deprecated and will be removed in an upcoming release			
~~value~~	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
external_id	?f_external_id={external_id}
global_area_id	?f_area_id={global_area_id}
global_id	?f_global_id={global_id}
(sale) type	?f_type={type}
sold_at	?f_date1={mm}%2F{dd}%2F{yyyy}&f_date2={mm}%2F{dd}%2F{yyyy}
status	?f_status={status}

Available Functions

Get Sales
Create Sales

Get Sales

Returns all sale records within a licensed facility

Request

```
GET https://watest.leafdatasystems.com/api/v1/sales
```

Example Response


```
{
      "total": 1,
      "per_page": 2500,
      "current_page": 1,
      "last_page": 1,
      "next_page_url": null,
      "prev_page_url": null,
      "from": 1,
      "to": 1,
      "data": [{
            "created_at": "03/22/2018 04:10pm",
            "updated_at": "03/22/2018 04:10pm",
            "external_id": "",
            "patient_medical_id": "123",
            "sold_at": "03/22/2018",
            "type": "retail_medical",
            "price_total": "0.00",
            "reason": "",
            "status": "sale",
            "deleted_at": null,
            "global_id": "WAR300003.SA1YO",
            "caregiver_id": "321",
            "global_mme_id": "WAWA1.MM1VC",
            "global_user_id": "WAWA1.US4",
            "global_sold_by_user_id": "WAWA1.US4",
            "sale_items": [{
                  "created_at": "03/22/2018 04:10pm",
                  "updated_at": "03/22/2018 04:10pm",
                  "external_id": "",
                  "use_by_date": "",
                  "description": "",
```

```
                "type": "",
                "sold_at": "03/22/2018",
                "qty": "1.0000",
                "uom": "ea",
                "unit_price": "0.00",
                "discount_total": "0.00",
                "price_total": "0.00",
                "tax_total": "0.00",
                "potency": "",
                "returned_reason": "",
                "returned_at": "0000-00-00 00:00:00",
                "total_marijuana_in_grams": "0.00",
                "name": "Dewberry Haze Pre-Packs 3.5gm",
                "unit_cog": "0.00",
                "deleted_at": null,
                "global_id": "WAR300003.SI36U",
                "global_mme_id": "WAWA1.MM1VC",
                "global_user_id": "WAWA1.US4",
                "global_sale_id": "WAR300003.SA1YO",
                "global_batch_id": "WAR300003.BA5O",
                "global_returned_by_user_id": null,
                "global_inventory_id": "WAR300003.IN8V"
            }]
        }]
}
```

Create Sales

Provides the ability to create sale transactions within a licensed facility

Request

```
POST https://watest.leafdatasystems.com/api/v1/sales
```

Example Request

```
{
        "sale": [{
                "external_id": "12345",
                "type": "retail_recreational",
                "patient_medical_id": "",
                "caregiver_id": "",
                "sold_at": "12/01/2017",
                "price_total": "30.00",
                "status": "sale",
                "global_sold_by_user_id": "WAR030303.USA7G6",
                "sale_items": [{
                        "external_id": "12345",
                        "type": "sale",
                        "sold_at": "12/01/2017",
                        "qty": "2.00",
                        "uom": "ea",
                        "unit_price": "30.00",
                        "price_total": "60.00",
                        "name": "Dewberry Haze Pre-Packs 3.5gm",
                        "global_batch_id": "WAR030303.BAEV",
                        "global_inventory_id": "WAR030303.IN9A"
                }]
        }]
}
```

Example Response

```
[{
      "external_id": "12345",
      "sold_at": "12/01/2017",
      "sold_to": "anonymous",
      "discount_total": "",
      "price_total": "30.00",
```

```
      "tax_total": "",
      "reason": "",
      "status": "sale",
      "cog_total": "",
      "global_sold_by_user_id": "",
      "global_area_id": "",
      "global_customer_id": "",
      "sale_items": [{
            "external_id": "12345",
            "use_by_date": "",
            "description": "",
            "type": "sale",
            "sold_at": "12/01/2017",
            "qty": "2.00",
            "uom": "ea",
            "unit_price": "30.00",
            "discount_total": "",
            "price_total": "60.00",
            "tax_total": "",
            "potency": "",
            "returned_reason": "",
            "returned_at": "",
            "total_marijuana_in_grams": "",
            "name": "Dewberry Haze Pre-Packs 3.5gm",
            "unit_cog": "",
            "global_customer_id": "",
            "global_batch_id": "WAR030303.BAEV",
            "global_returned_by_user_id": "",
            "global_inventory_id": "WAR030303.IN9A",
            "sale_item_taxes": [{
                  "global_tax_id": "",
                  "tax_amount": ""
            }]
      }]
}]
```

Strains

Strains represent specific sub-species of cannabis and are an attribute that can be designated to batches of inventory. Batches of type "propagation_material", "plant", and "harvest" must have a strain assignment. For "extraction" (intermediate/end product) type batches, a "non_strain_specific" designation is available for items that are no longer strain-specific.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
created_at	The date a strain was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date a strain was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id*	An optional free-form field used to hold any identifying factors of a strain	varchar(40)	up to 40 characters	"HAZE1234567"
global_id	Auto-generated unique ID for the strain	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
name*	Name of a strain	varchar(255)	up to 255 characters	"Storage Room"
updated_at	The date a strain record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Get Strains
Create Strains
Update Strains
Delete Strains

Get Strains

Returns all strains within a licensed facility

Request

```
GET https://watest.leafdatazone.com/api/v1/strains
```

Example Response


```
{
      "total": 2,
      "per_page": 2500,
      "current_page": 1,
      "last_page": 1,
      "next_page_url": null,
      "prev_page_url": null,
      "from": 1,
      "to": 2,
      "data": [{
                  "created_at": "12/21/2017 11:56am",
                  "updated_at": "12/21/2017 11:56am",
                  "external_id": "",
                  "name": "Jack Herer",
                  "deleted_at": null,
                  "global_id": "WAR030303.ST55"
            },
            {
                  "created_at": "12/22/2017 10:59am",
                  "updated_at": "12/22/2017 10:59am",
                  "external_id": "",
                  "name": "Kali Mist",
                  "deleted_at": null,
                  "global_id": "WAR030303.ST58"
            }
      ]
}
```

Create Strains

Provides the ability to create strains within a licensed facility

Request

```
POST https://watest.leafdatazone.com/api/v1/strains
```

Example Request

```
{
        "strain": [{
                "name": "Chem 91"
        }]
}
```

Example Response

```
[{
      "name": "Chem 91",
      "updated_at": "12/22/2017 12:26pm",
      "created_at": "12/22/2017 12:26pm",
      "global_id": "WAR030303.ST59"
}]
```

Update Strains

Provides the ability for a user to update an existing strain record at a facility

Request

```
POST https://watest.leafdatazone.com/api/v1/strains/update
```

Example Request

```
{
	"strain": {
		"external_id": "1",
		"name": "Harlequin",
		"global_id": "WAG010101.ST8FX"
	}
}
```

Example Response

```
[{
	"name": "Harlequin",
	"updated_at": "12/22/2017 12:26pm",
	"created_at": "10/22/2017 12:26pm",
	"global_id": "WAG010101.ST8F"
}]
```

Delete Strains

Provides the ability for a user to delete an existing strain record at a facility

****

SPECIAL NOTE FROM THE LCB REGARDING DELETION OF RECORDS:

Deleting records should be done as a last resort. The adjustment function should ALWAYS be the first tool used to correct any user error.

If the adjustment function does not resolve your issue, you will need LCB approval before you use the delete function. Please follow the steps below to obtain approval.

Email MJExaminer@lcb.wa.gov

Include your license number, trade name, a screen shot of the record(s) you want to delete from your system and brief explanation as to why this record must be permanently removed from your system.

LCB will review the request and respond accordingly.

LCB wants to ensure compliance, accurate data and that the deletion of one record will not break associations to other data.

Records that have associations to other data, if deleted, "break" that association. For example, once records such as "areas", "strains", and "inventory types" are related to batches/plants/inventory lot, deleting these records will "break" the batch/plant/inventory lot that no longer has the necessary correspondences to exist. "Areas", for instance, are required for all batches that are created. If an area that is associated with a batch is deleted, the batch will no longer function properly. MJ Freeway cannot restore the deleted data.

DELETING RECORDS IN LEAF DATA SYSTEMS IS AN IRREVERSIBLE ACTION.

****

Request

```
POST http://watest.leafdatazone.com/api/v1/strains/{global_strain_id}
```

Example Request

```
http://watest.leafdatazone.com/api/v1/strains/WAG010101.ST8F
```

MME Find

In Washington the front end term for an "MME" is "Licensee". This is a licensed facility or testing lab that is operational. Retrieval of MME information is necessary for completing transfers. The "MME Find" endpoint allows retrieval of MME info using the "mme_code" as a filter for the query.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
address1	The primary address line of the licensee record	varchar(255)	up to 255 characters	"123 Main St"
address2	The secondary address line of the licensee	varchar(255)	up to 255 characters	"Suite 420"
bio_license_number	The license number assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
bio_location_id	The location ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
bio_org_id	The organizational ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
certificate_number	The nine-digit UBI (unique business identifier) associated with the licensed facility	integer(11)	123456789	"123456789"
city	The city in which the licensee is licensed	varchar(255)	up to 255 characters	"Seattle"
code	The six-digit licensee ID number established by the State of Washington upon licensing of a facility, preceded by the letter associated with the licensee "type" ("G"=Producer, "M"=Processor, "J"=Producer/Processor, "R"=Retailer, "L"="QA testing lab, "T"=Tribe, "E"=Co-op, "Z"=Licensed Transporter Service	varchar(255)	X123456	"R654321"
~~*country_code*~~	This parameter has been deprecated and will be removed in an upcoming release			
external_id	An optional free-form field used to hold any identifying factors of a particular licensee	varchar(40)	up to 40 characters	"USER1234567"
~~*fein*~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
global_id	Auto-generated unique ID for an mme (licensee)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
id	Auto-generated numeric ID for this instance of an mme (database value, not UI-facing)	integer(11)	1234567	"1234567"
~~issuer~~	This parameter has been deprecated and will be removed in an upcoming release			
name	The name of the licensed facility	varchar(255)	up to 255 characters	"Training Retailer"
phone	The phone number related to the licensed facility	integer(11)	8885551234	"8885551234"
postal_code	The zip code in which the licensee is licensed	integer(11)	12345	"12345"
~~sender_receiver~~	This parameter has been deprecated and will be removed in an upcoming release			
state_code	The state in which the licensee is licensed (all values should be returned as "WA")	enum	"WA"	"WA"
type	The type of licensed facility that this record represents ("cultivation"=Producer "production"=Processor , "cultivation_production"=Producer/Processor, "dispensary"=Retailer, "lab"=QA testing lab, "tribe"=Tribe, "co-op"=Co-op, "transporter"=Licensed Transporter Service	enum	cultivation, production, cultivation_production, dispensary, lab, tribe, co-op, transporter	"dispensary"

= parameter for filtering only; * = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
mme_code	?f_mme_code={mme_code}

Available Functions

Get MME

Get MME

Returns information regarding licensees using an mme_code filter

Request

```
GET https://watest.leafdatasystems.com/api/v1/mmes/{mme_code}
```

Example Response


```
{
            "id": 2424,
            "external_id": "",
            "name": "Training Retailer",
            "certificate_number": "333000333",
            "address1": "333 S 3rd St",
            "address2": "",
            "city": "Seattle",
            "state_code": "WA",
            "postal_code": "98333",
            "country_code": "",
            "phone": "2065553333",
            "type": "dispensary",
            "code": "R300003",
            "sender_receiver": null,
            "issuer": null,
            "global_id": "WAWA1.MM1VC",
            "bio_org_id": null,
            "bio_location_id": null,
            "bio_license_number": null,
            "fein": ""
}
```

User

User profiles represent individuals that have access to Leaf Data Systems. Users cannot be created or modified through the API, only through the UI. Administrative users are set up for each licensed facility, and these administrative users have the ability to create other users associated with their licensed facility. User information may be retrieved for all users associated with a facility.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
auth_level	The authorization level of the user at the facility	enum	admin, edit, view, disabled	"admin"
email	The email address (and username) of the user	varchar(255)	up to 255 characters	user@leafdatasystems.com
external_id	An optional free-form field used to hold any identifying factors of a particular user	varchar(40)	up to 40 characters	"USER1234567"
first_name	The first name of the user	varchar(255)	up to 255 characters	Mary Jane
global_id	Auto-generated unique ID for a user	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
global_mme_id	Auto-generated unique ID for the licensee (mme) that the user is associated with	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
id	Auto-generated numeric ID for this instance of a user (database value, not UI-facing)	integer(11)	1234567	"1234567"
last_name	The last name of the user	varchar(255)	up to 255 characters	Doe

= parameter for filtering only; * = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
global_id	?f_global_id={global_user_id}
mme_name	?f_mme_name={mme_name}
mme_code	?f_mme_code={mme_code}
user_name	?f_user_name={user_name}
user_email	?f_user_email={user_email}
external_id	?f_external_id={external_id}
updated_at1	?f_updated_at1={mm/dd/yyyy}
updated_at2	?f_updated_at2={mm/dd/yyyy}

Available Functions

Get Users

Get Users

Returns information regarding users

Request

```
GET https://watest.leafdatasystems.com/api/v1/users
```

Example Response


```
{
	"total": 1,
	"per_page": 2500,
	"current_page": 1,
	"last_page": 1,
	"next_page_url": null,
	"prev_page_url": null,
	"from": 1,
	"to": 1,
	"data": [
		{
			"id": 4,
			"email": "maryjanedoe@mjfreeway.com",
			"first_name": "Mary Jane",
			"last_name": "Doe",
			"auth_level": "admin",
			"external_id": "12345",
			"global_id": "WAWA1.US4",
			"global_mme_id": null
		}
	]
}
```

Conversions

A conversion function is used to perform processes where the input inventory type differs from the output inventory type, such as extractions, infusions, and pre-packaging processes. Conversions may be 1:1 (input:output) or many:1. There may only be one output inventory lot produced from a conversion, while multiple input lots may be used to create it. The output of a conversion is a new inventory lot that is a child to the input lot(s) used in the conversion. The /inventories endpoint can be used to retrieve information regarding the output inventory lot which can be retrieved using the "global_batch_id" of the response from the conversion create function.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
~~additives~~	This parameter has been deprecated and will be removed in an upcoming release			
batch	See "batches" endpoint for parameter details returned			
~~cost~~	This parameter has been deprecated and will be removed in an upcoming release			
created_at	The date an inventory conversion was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id	A free-form field used to hold any identifying factors of a particular strain	varchar(40)	up to 40 characters	"CBD1234567"
finished_at	The date/time that an inventory conversion ended	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
global_area_id	The global ID of the area where the output inventory is to be located	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
global_batch_id	The global ID of the batch created from the conversion	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_created_by_mme_id	The global ID of the originating facility of the inventory	varchar(255)	up to 255 characters	"WASTATE.MM1Z2Y3"
global_from_inventory_id (inventories)	The global ID of the input inventory lot being processed into the conversion; no value entered will result in a 500 error	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_id	Auto-generated unique ID for the inventory lot created from the inventory conversion	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_inventory_type_id	The global ID for the intended inventory type of the output of the conversion	varchar(255)	up to 255 characters	"WAX123456.TY1Z2Y3"
global_lab_result_id	The global ID of the lab results associated with the output inventory	varchar(255)	up to 255 characters	"WAX123456.LR1Z2Y3"
global_mme_id	The global ID of the licensee who owns the inventory	varchar(255)	up to 255 characters	"WASTATE.MM1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_strain_id	The global ID of the strain associated with the output inventory, if output is strain-specific	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"
global_user_id	The global ID of the user who performed the conversion of the inventory	varchar(255)	up to 255 characters	"WASTATE.US1Z2Y3"
~~inventory_expires_at~~	This parameter has been deprecated and will be removed in an upcoming release			
~~medically_compliant~~	This parameter has been deprecated and will be removed in an upcoming release			
~~net_weight~~	This parameter has been deprecated and will be removed in an upcoming release			
~~packed_qty~~	This parameter has been deprecated and will be removed in an upcoming release			
product_not_altered	This designates whether a product was altered during the conversion (thereby causing it to require new lab results associated with the output inventory type)	boolean	0, 1	"1"
qty	The quantity of the inventory output being produced from the conversion	decimal(10,4)	1234.5678	"1234.5678"
qty (inventories)	The quantity of the inventory input(s) being processed into the conversion; no quantity entered will result in a 500 error	decimal(10,4)	1234.5678	"1234.5678"
qty_waste_total	The total weight (gm) of waste produced from the conversion process	decimal(10,4)	1234.5678	"1234.5678"
~~serving_num~~	This parameter has been deprecated and will be removed in an upcoming release			
~~serving_size~~	This parameter has been deprecated and will be removed in an upcoming release			
started_at	The date/time that an inventory conversion began	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~total_marijuana_in_grams~~	This parameter has been deprecated and will be removed in an upcoming release			
uom	The unit of measure associated with the inventory type of the conversion output	enum	gm, ea	"gm"
~~updated_at~~	This parameter has been deprecated and will be removed in an upcoming release			
~~value~~	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Conversion

Create Conversion

Provides the ability to create an inventory conversion

Request

```
POST https://watest.leafdatazone.com/api/v1/conversions/create
```

Example Request

```
{
    "conversion": [
        {
            "external_id": "EXTRACT7",
            "global_inventory_type_id": "WAM200002.TY5V",
            "global_area_id": "WAM200002.AR24",
            "global_strain_id": "",
            "uom": "gm",
            "qty": "333",
            "qty_waste_total": "555",
            "started_at": "07/06/2017",
            "finished_at": "07/07/2017",
            "product_not_altered": "1",
            "inventories": [
                {
                    "qty": "1111",
                    "global_from_inventory_id": "WAM200002.INF1B"
                },
                {
                    "qty": "1111",
                    "global_from_inventory_id": "WAM200002.INF1C"
                },
                {
                     "qty": "1111",
                     "global_from_inventory_id": "WAM200002.INF1D"
                }
            ]
        }
    ]
}
```

Example Response


```
[
	{
		"net_weight": "0.00",
		"packed_qty": null,
		"cost": "0.00",
		"value": "0.00",
		"serving_num": "",
		"serving_size": "",
		"total_marijuana_in_grams": "0.00",
		"uom": "gm",
		"qty": "333",
		"updated_at": "05/25/2018 11:54am",
		"created_at": "05/25/2018 11:54am",
		"global_id": "WAM200002.INF1E",
		"global_mme_id": "WAWA1.MM1VB",
		"global_user_id": "WAWA1.US4",
		"global_batch_id": "WAM200002.BADYN",
		"global_area_id": "WAM200002.AR24",
		"global_lab_result_id": null,
		"global_strain_id": null,
		"global_inventory_type_id": "WAM200002.TY5V",
		"global_created_by_mme_id": null,
		"batch": {
			"created_at": "05/25/2018 11:54am",
			"updated_at": "05/25/2018 11:54am",
			"external_id": "EXTRACT7",
			"planted_at": "",
			"harvested_at": "",
			"batch_created_at": "2018-05-25 11:54:44",
			"num_plants": "0",
			"status": "open",
			"qty_harvest": null,
			"uom": "gm",
			"is_parent_batch": "0",
			"is_child_batch": "1",
			"type": "extraction",
			"harvest_stage": null,
```

```
                "qty_accumulated_waste": null,
                "qty_packaged_flower": null,
                "qty_packaged_by_product": "333.0000",
                "est_harvest_at": "",
                "packaged_completed_at": "05/25/2018",
                "origin": "seed",
                "source": "inhouse",
                "qty_cure": null,
                "plant_stage": "seedling",
                "deleted_at": null,
                "flower_dry_weight": "0.00",
                "waste": "0.00",
                "other_dry_weight": "0.00",
                "harvested_end_at": "",
                "flower_wet_weight": "0.00",
                "other_wet_weight": "0.00",
                "global_id": "WAM200002.BADYN",
                "global_mme_id": "WAWA1.MM1VB",
                "global_user_id": "WAWA1.US4",
                "global_strain_id": null,
                "global_area_id": "WAM200002.AR24"
            }
        }
]
```

Dispose Item

This workflow function marks the final disposal of inventory related to a destruction record.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
created_at	The date/time a disposal record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time a disposal record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
disposal_at	The date when the lot is scheduled to be physically destroyed (accounting for 72-hour hold period from creation of destruction record)	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~*disposal_cert*~~	This parameter has been deprecated and will be removed in an upcoming release			
external_id	An optional free-form field used to hold any identifying factors of a particular disposal record	varchar(40)	up to 40 characters	"DISP1234567"
global_area_id	The global ID of the area where the disposal lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id	If "source" = "batch", the global ID of the batch that all or part of is being destroyed	varchar(255)	up to 255 characters	"WAX12346.BA1Z2Y3"
global_id	Auto-generated unique ID for the disposal record	varchar(255)	up to 255 characters	"WAX123456.DI1Z2Y3"
global_inventory_id	If "source" = "inventory", the global ID of the inventory lot that all or part of is being destroyed	varchar(255)	up to 255 characters	"WAX12346.IN1Z2Y3"
global_mme_id	The global ID of the licensee that the disposal record belongs to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_plant_id	If "source" = "plant", the global ID of the plant that all or part of is being destroyed	varchar(255)	up to 255 characters	"WAX12346.PL1Z2Y3"
global_user_id	The global ID of the user who created the disposal record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
hold_ends_at	The date/time when the mandated 72-hour hold ends for this destruction record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
hold_starts_at	The date/time when the mandated 72-hour hold begins for this destruction record	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~*method*~~	This parameter has been deprecated and will be removed in an upcoming release			
~~*phase*~~	This parameter has been deprecated and will be removed in an upcoming release			
qty	The weight or piece count of the destruction lot	decimal(10,2)	1234.56	"1234.56"
reason	The reason for the destruction	enum	failed_qa, infestation, quality_control, returned, spoilage, unhealthy, lcb_mandated, other	"infestation"
~~*type*~~	This parameter has been deprecated and will be removed in an upcoming release			
uom	The uom associated with the inventory being disposed of	enum	gm, ea	"gm"
updated_at	The date/time a disposal record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
whole_plant	If the disposal "source" is "plant", this parameter distinguishes whether the whole plant or only part of it is being disposed of (if whole plant, then "plant_stage" of plant will be shifted to "destroyed")	boolean	1, 0	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Dispose Item

Create Dispose Item

Provides the ability to dispose of a destruction record previously created

Request

```
POST https://watest.leafdatazone.com/api/v1/disposals/dispose
```

Example Request

```
{
	"global_id": "WAM200002.DI82A"
}
```

Example Response

```
{
	"created_at": "05/25/2018 11:54am",
	"updated_at": "05/25/2018 02:37pm",
	"hold_starts_at": "05/25/2018 11:54am",
	"hold_ends_at": "05/28/2018 11:54am",
	"external_id": "",
	"whole_plant": null,
	"reason": "waste",
	"method": "",
	"disposal_at": "05/28/2018",
	"phase": "processing",
	"type": "waste",
	"qty": "555.0000",
	"uom": "gm",
	"source": "inventory",
	"disposal_cert": null,
	"deleted_at": null,
	"global_id": "WAM200002.DI82A",
	"global_mme_id": "WAWA1.MM1VB",
	"global_user_id": "WAWA1.US4",
	"global_batch_id": "WAM200002.BADYN",
	"global_area_id": null,
	"global_plant_id": null,
	"global_inventory_id": "WAM200002.INF1F"
}
```

Harvest Batch

Harvest Batch special function allows for the harvesting of living plants and the recording of the harvest batch wet weight. This special function aligns with the UI action (from the /batches listing) of clicking the 'tree' icon in the 'Action' column to harvest plants. The harvest batch created becomes the child batch of the plant batch(es) harvested into it.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
batch_created_at	The system generated date/time at which the batch was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
created_at	The date/time a batch was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time a batch was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~est_harvest_at~~	This parameter has been deprecated and will be removed in an upcoming release			
external_id	An optional free-form field used to hold any identifying factors of a harvest batch	varchar(40)	up to 40 characters	"HARVEST1234567"
flower_dry_weight	The total dry weight of the flower associated with the batch	decimal(10,2)	1234.56	"1234.56"
flower_wet_weight	The wet weight of the "flower" associated with the batch	decimal(10,4)	1234.5678	"1234.56"
global_area_id	The area where the harvested material will exist	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_harvest_batch_id	Leave blank to create a new harvest batch, or designate global batch ID of harvest batch to add to	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_id	Auto-generated unique ID for the batch	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_mme_id	The global ID of the licensee that the batch belongs to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_mother_plant_id	For "propagation material" batches, the global ID of the mother plant from which the plants were derived	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
global_plant_ids	A list of the individual plant IDs to be harvested into the designated batch (or together into a new batch if none is designated)	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_strain_id	The global ID of the strain specific to the batch; required for all batch types except "extraction", where strain-specificity is optional)	varchar(255)	up to 255 characters	"WAX12346.ST1Z2Y3"
global_user_id	The global ID of the user who created the batch	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
harvest_stage	For "harvest" batches, the stage of the harvest process	enum	wet, cure, finished	"finished"
harvested_at	The beginning date/time of the harvest	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
harvested_end_at	The date/time at which the harvest of the batch ended	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
is_child_batch	Indicates that this batch is the product of a previous batch (or batches)	boolean	0, 1	"1"
is_parent_batch	Indicates that later generations of batches have been created from this batch	boolean	0, 1	"1"
num_plants	The number of plants that are in the batch (only used for "propagation_material", "plant", or "harvest" batches)	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
origin	Indicates propagation source of the batch (for "propagation material", "plant", and "harvest" batch types)	enum	seed, clone, plant, tissue	"clone"
other_dry_weight	The total dry weight of the other material associated with the batch	decimal(10,2)	1234.56	"1234.56"
other_wet_weight	The wet weight of the "other material" associated with the batch	decimal(10,4)	1234.5678	"1234.56"
packaged_completed_at	For "extraction" batches, the date the product was packaged	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
plant_stage	Current development stage of the plants in the batch	enum	propagation_material, growing, harvested, packaged, destroyed	"growing"
planted_at	The date/time a batch was planted; if batch is type=harvest, then the date/time the related (parent) plant batch was planted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

Parameter	Description	Type	Valid Entries (for WA)	Example
qty_accumulated_waste	This parameter has been deprecated and will be removed in an upcoming release			
~~qty_cure~~	This parameter has been deprecated and will be removed in an upcoming release			
qty_harvest	The total wet weight of the harvested plants	decimal(10,4)	1234.5678	"1234.56"
qty_packaged_by_product	Accumulated weight of the plant material that is classified as packaged other material (in grams)	decimal(10,4)	1234.5678	"1234.56"
qty_packaged_flower	Accumulated weight of the plant material that is classified as packaged flower (in grams)	decimal(10,4)	1234.5678	"1234.56"
~~source~~	This parameter has been deprecated and will be removed in an upcoming release			
status	Identifier for the status of the batch	enum	open, closed	"open"
type	Indicates the type of batch	enum	propagation material, plant, harvest, extraction	"harvest"
uom	The unit of measure associated with the harvest material	enum	gm	"gm"
updated_at	The date/time a batch was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
waste	Accumulated weight of the plant material that is represented as waste (in grams)	decimal(10,2)	1234.56	"1234.56"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Harvest Batch

Create Harvest Batch

Provides the ability to harvest plants into a new or pre-existing harvest batch

Request

```
POST https://watest.leafdatazone.com/api/v1/plants/harvest_plants
```

Example Request

```
{
        "external_id": "3",
        "harvested_at": "05/08/2018",
         "qty_harvest": "134",
        "flower_wet_weight": 101,
        "other_wet_weight": 33,
        "uom": "gm",
        "global_area_id": "WAG100001.AR1R",
        "global_harvest_batch_id": "",
        "global_plant_ids": [
                {
                        "global_plant_id": "WAG100001.PLACI"
                },
                {
                        "global_plant_id": "WAG100001.PLACJ"
                }
        ]
}
```

Example Response

```
{
      "created_at": "05/29/2018 03:14am",
      "updated_at": "05/29/2018 03:14am",
      "external_id": "",
      "planted_at": "02/01/2018",
      "harvested_at": "05/08/2018",
      "batch_created_at": "2018-05-29 03:14:12",
      "num_plants": "2",
      "status": "open",
      "qty_harvest": "134.0000",
      "uom": "gm",
```

```
        "is_parent_batch": "0",
        "is_child_batch": "1",
        "type": "harvest",
        "harvest_stage": "wet",
        "qty_accumulated_waste": null,
        "qty_packaged_flower": null,
        "qty_packaged_by_product": null,
        "est_harvest_at": "",
        "packaged_completed_at": "",
        "origin": "seed",
        "source": "inhouse",
        "qty_cure": null,
        "plant_stage": "harvested",
        "deleted_at": null,
        "flower_dry_weight": null,
        "waste": null,
        "other_dry_weight": null,
        "harvested_end_at": "",
        "flower_wet_weight": "101.00",
        "other_wet_weight": "33.00",
        "global_id": "WAG100001.BADYR",
        "global_mme_id": "WAWA1.MM1VA",
        "global_user_id": "WAWA1.US4",
        "global_strain_id": "WAG100001.ST1V",
        "global_area_id": "WAG100001.AR1R",
        "global_mother_plant_id": null
}
```

Finish Batch

Finish Batch special function allows for the creation of inventory lots of "flower" and "other_material" from a harvest batch. This special function aligns with the UI action (from the /batches listing) of clicking the 'checkmark' icon in the 'Action' column to "finish" a batch.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
~~additives~~	This parameter has been deprecated and will be removed in an upcoming release			
~~cost~~	This parameter has been deprecated and will be removed in an upcoming release			
created_at	The date/time an inventory record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time an inventory record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id	An optional free-form field used to hold any identifying factors of a particular inventory record	varchar(40)	up to 40 characters	"LOT1234567"
global_area_id	The global ID of the area where the inventory lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id	The global ID of the harvest batch that the inventory is being created from	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_created_by_mme_id	The global ID of the licensee where the inventory originated	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"
global_id	Auto-generated unique ID for the inventory record	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_inventory_type_id	The global ID of the inventory type of the inventory being created	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.TY1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_lab_result_id	The global ID of the lab results (created by a QA lab) associated with the inventory lot	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.LR1Z2Y3"
global_mme_id	The global ID of the licensee where the inventory record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_original_id	The global ID of the inventory lot relative to the facility that it was received FROM; For Retailers (and anyone receiving inventory), this value is important for being able to identify an inventory lot based on the global ID on the labelling/package	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_strain_id	The global ID of the strain associated with the inventory (if applicable)	varchar(255)	WAX123456.ST1Z2Y3	"WAX123456.ST1Z2Y3"
global_user_id	The global ID of the user who created the inventory record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
~~*inventory_created_at*~~	This parameter has been deprecated and will be removed in an upcoming release			
~~*inventory_expires_at*~~	This parameter has been deprecated and will be removed in an upcoming release			
~~*inventory_packaged_at*~~	This parameter has been deprecated and will be removed in an upcoming release			
inventory_type	See "inventory_types" endpoint for details returned			
is_initial_inventory	Denotes whether inventory represents post-contingency on hand inventory created by 4/30/2018	boolean	0, 1	"1"

Parameter	Description	Type	Valid Entries (for WA)	Example
lab_results_attested	If inventory "is_initial_inventory", then lab results attestation is required to bypass QA result requirements for product to transfer; Attestation affirms the following on behalf of the licensee: "I attest the attached Quality Assurance Test result is accurate or the marijuana product does not require Quality Assurance Test results at this stage"	boolean	0, 1	"1"
lab_results_date	The date the attached lab results were completed at the QA lab, per the pdf upload (if applicable)	date	mm/dd/yyyy	"02/01/2018"
lab_results_file_path	The base64-encoded file reference for the pdf lab results associated with the inventory lot	base64-encoded file path	css; base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1	"css; base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1"
lab_retest_id	Unique database value related to a lab result created for a retest	integer(11)	1234567	"1234567"
~~last_harvest_stage~~	This parameter has been deprecated and will be removed in an upcoming release			
legacy_id	FE term for "legacy_id" is "Contingency/Old Traceability ID"; numeric ID from previous traceability methods entered only if inventory is designated as "initial_inventory"	integer(11)	1234567898765432	"1234567898765432"
~~marijuana_type~~	This parameter has been deprecated and will be removed in an upcoming release			
medically_compliant	Denotes whether or not an inventory lot is designated as medically compliant	boolean	0, 1	"0"
~~net_weight~~	This parameter has been deprecated and will be removed in an upcoming release			
~~packed_qty~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
qty	The quantity of inventory present in the lot, relative to the unit of measure ("uom") of the associated inventory type	integer(11) or decimal(10,2)	integer if "uom"="ea" and decimal value if "uom"=gm"	"12345.67"
~~released_by_state~~	This parameter has been deprecated and will be removed in an upcoming release			
sent_for_testing	Denotes whether a sample of this inventory lot has been sent to the QA lab for mandatory or non-mandatory testing	boolean	0, 1	"0"
~~serving_num~~	This parameter has been deprecated and will be removed in an upcoming release			
~~serving_size~~	This parameter has been deprecated and will be removed in an upcoming release			
~~source~~	This parameter has been deprecated and will be removed in an upcoming release			
~~total_marijuana_in_grams~~	This parameter has been deprecated and will be removed in an upcoming release			
uom	The unit of measure associated with the inventory lot, derived from the associated inventory types	enum	gm, ea	"gm"
updated_at	The date/time an inventory record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~value~~	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Finish Batch

Create Finish Batch

Provides the ability to finish plants harvested batches into inventory lots

Request

```
POST https://watest.leafdatazone.com/api/v1/batches/finish_lot
```

Example Request

```
{
        "global_batch_id": "WAG100001.BA4Y",
        "new_lot_types": [
                {
                        "global_inventory_type_id": "WAG100001.TY46",
                        "qty": "1800"
                }
        ]
}
```

Example Response

```
{
      "created_at": "05/15/2018 03:39am",
      "updated_at": "05/15/2018 03:39am",
      "external_id": "",
      "released_by_state": null,
      "lab_retest_id": null,
      "is_initial_inventory": "0",
      "net_weight": "0.00",
      "inventory_created_at": "05/15/2018",
      "inventory_expires_at": "",
      "inventory_packaged_at": "05/15/2018",
      "qty": "420.0000",
      "packed_qty": "0.0000",
      "cost": "0.00",
      "value": "0.00",
      "source": "inhouse",
      "uom": "gm",
      "total_marijuana_in_grams": "0.00",
      "additives": "",
      "serving_num": "",
```

```
"serving_size": "",
"marijuana_type": "",
"sent_for_testing": "0",
"deleted_at": null,
"last_harvest_stage": "cure",
"medically_compliant": null,
"global_id": "WAG100001.INF1P",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": null,
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_batch_id": "WAG100001.BA4Y",
"global_area_id": "WAG100001.AR1L",
"global_lab_result_id": null,
"global_strain_id": "WAG100001.ST1T",
"global_inventory_type_id": "WAG100001.TY4N",
"global_created_by_mme_id": "WAWA1.MM1VA",
"inventory_type": {
      "created_at": "01/29/2018 12:11pm",
      "updated_at": "01/29/2018 12:11pm",
      "external_id": "",
      "name": "Dewberry Haze Other Material",
      "description": "",
      "storage_instructions": "",
      "ingredients": "",
      "type": "harvest_materials",
      "allergens": "",
      "contains": "",
      "used_butane": "0",
      "net_weight": "0.00",
      "packed_qty": "0.0000",
      "cost": "0.00",
      "value": "0.00",
      "serving_num": "",
      "serving_size": "",
      "uom": "gm",
      "total_marijuana_in_grams": "0.00",
```

```
            "deleted_at": null,
            "intermediate_type": "other_material",
            "global_id": "WAG100001.TY4N",
            "global_mme_id": "WAWA1.MM1VA",
            "global_user_id": "WAWA1.US4",
            "global_strain_id": null
        }
}
```

Inventory Transfer in Transit

The /inventory_transfer_in_transit workflow function changes the status of an existing inventory transfer from "open" to "in transit".

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
created_at	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~*deleted_at*~~	This parameter has been deprecated and will be removed in an upcoming release			
est_arrival_at	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
est_departed_at	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id	An optional free-form field used to hold any identifying factors of a particular inventory transfer/inventory item record	varchar(40)	up to 40 characters	"INVTRANS1234567"
~~*global_from_customer_id*~~	This parameter has been deprecated and will be removed in an upcoming release			
global_from_mme_id	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_from_user_id	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
global_id	The global ID of the inventory transfer being marked in transit	Auto-generated unique ID for the inventory transfer record	varchar(255)	up to 255 characters
global_id (inventory item)	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
global_mme_id	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
~~global_to_customer_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_to_mme_id	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
~~global_to_user_id~~	This parameter has been deprecated and will be removed in an upcoming release			
~~global_transporter_user_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_transporting_mme_id	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_user_id	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
~~hold_ends_at~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
~~hold_starts_at~~	This parameter has been deprecated and will be removed in an upcoming release			
inventory_transfer_items	See "inventory_transfer" endpoint for parameter details returned			
manifest_type	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"
~~multi-stop~~	This parameter has been deprecated and will be removed in an upcoming release			
~~notes~~	This parameter has been deprecated and will be removed in an upcoming release			
number_of_edits	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
~~route~~	This parameter has been deprecated and will be removed in an upcoming release			
status	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
~~stops~~	This parameter has been deprecated and will be removed in an upcoming release			
test_for_terpenes	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
~~transfer_type~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
transferred_at	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
transporter_name1	The name of the driver performing the transport	varchar(255)	up to 255 characters	"Mary Jane Doe"
transporter_name2	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
~~type~~	This parameter has been deprecated and will be removed in an upcoming release			
updated_at	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~vehicle_color~~	This parameter has been deprecated and will be removed in an upcoming release			
vehicle_description	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
vehicle_license_plate	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
vehicle_vin	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
~~vehicle_year~~	This parameter has been deprecated and will be removed in an upcoming release			
void	Indicates whether a transfer record has been voided	boolean	0, 1	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Inventory Transfer in Transit

Create Inventory Transfer in Transit

Changes the "status" of an "open" inventory transfer to "in_transit"

Request

```
POST https://watest.leafdatazone.com/api/v1/inventory_transfers/api_in_transit
```

Example Request

```
{
        "global_id": "WAG100001.IT5FB"
}
```

Example Response


```
{
      "created_at": "06/01/2018 11:28am",
      "updated_at": "06/01/2018 11:29am",
      "hold_starts_at": "06/01/2018 11:28am",
      "number_of_edits": null,
      "hold_ends_at": "06/02/2018 11:28am",
      "external_id": "",
      "void": "0",
      "transferred_at": "06/01/2018 11:29am",
      "est_departed_at": "06/01/2018 11:27am",
      "est_arrival_at": "06/01/2018 12:27pm",
      "multi_stop": "0",
      "route": "",
      "stops": "",
      "vehicle_description": "Val's Car",
      "vehicle_year": null,
      "vehicle_color": null,
      "vehicle_vin": "123456789",
      "vehicle_license_plate": "123ABC",
      "notes": "",
      "transfer_manifest": null,
      "manifest_type": "delivery",
      "status": "in-transit",
      "type": "inventory",
      "deleted_at": null,
      "transfer_type": "transfer",
```

```
"global_id": "WAG100001.IT5FB",
"test_for_terpenes": "0",
"transporter_name1": "Valerie Burns",
"transporter_name2": "",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_from_mme_id": "WAWA1.MM1VA",
"global_to_mme_id": "WAWA1.MM1VE",
"global_from_user_id": "WAWA1.US4",
"global_to_user_id": null,
"global_from_customer_id": null,
"global_to_customer_id": null,
"global_transporter_user_id": null,
"global_transporting_mme_id": null,
"inventory_transfer_items": [
      {
            "created_at": "06/01/2018 11:28am",
            "updated_at": "06/01/2018 11:28am",
            "external_id": "",
            "is_sample": "0",
            "sample_type": null,
            "product_sample_type": "",
            "description": "Dewberry Haze Other Material  WAG100001.INF1P WAG100001.BA4Y",
            "qty": "420.0000",
            "price": "1250.00",
            "uom": "gm",
            "received_at": "",
            "received_qty": null,
            "deleted_at": null,
            "retest": "0",
            "global_id": "WAG100001.IIDP0",
            "is_for_extraction": "1",
            "inventory_name": "Dewberry Haze Other Material",
            "strain_name": "Dewberry Haze",
            "global_mme_id": "WAWA1.MM1VA",
            "global_user_id": "WAWA1.US4",
            "global_batch_id": "WAG100001.BA4Y",
            "global_plant_id": null,
            "global_inventory_id": "WAG100001.INF1P",
            "global_lab_result_id": null,
```

```
                "global_received_area_id": null,
                "global_received_strain_id": null,
                "global_inventory_transfer_id": "WAG100001.IT5FB",
                "global_received_batch_id": null,
                "global_received_inventory_id": null,
                "global_received_plant_id": null,
                "global_received_mme_id": null,
                "global_received_mme_user_id": null,
                "global_customer_id": null,
                "global_inventory_type_id": "WAG100001.TY4N"
            }
        ]
}
```

Inventory Transfer Void

The /inventory_transfer_void workflow function changes the "void" status of an inventory transfer to "1", and returns the associated inventory to the sender's on hand counts.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
created_at	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~*deleted_at*~~	This parameter has been deprecated and will be removed in an upcoming release			
est_arrival_at	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
est_departed_at	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id	An optional free-form field used to hold any identifying factors of a particular inventory transfer/inventory item record	varchar(40)	up to 40 characters	"INVTRANS1234567"
~~*global_from_customer_id*~~	This parameter has been deprecated and will be removed in an upcoming release			
global_from_mme_id	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_from_user_id	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
global_id	The global ID of the inventory transfer being marked as "void"	Auto-generated unique ID for the inventory transfer record	varchar(255)	up to 255 characters
global_id (inventory item)	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"
global_mme_id	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
~~global_to_customer_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_to_mme_id	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
~~global_to_user_id~~	This parameter has been deprecated and will be removed in an upcoming release			
~~global_transporter_user_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_transporting_mme_id	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_user_id	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
~~hold_ends_at~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
~~hold_starts_at~~	This parameter has been deprecated and will be removed in an upcoming release			
inventory_transfer_items	See "inventory_transfer" endpoint for parameter details returned			
manifest_type	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"
~~multi-stop~~	This parameter has been deprecated and will be removed in an upcoming release			
~~notes~~	This parameter has been deprecated and will be removed in an upcoming release			
number_of_edits	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
~~route~~	This parameter has been deprecated and will be removed in an upcoming release			
status	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
~~stops~~	This parameter has been deprecated and will be removed in an upcoming release			
test_for_terpenes	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
~~transfer_type~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
transferred_at	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
transporter_name1	The name of the driver performing the transport	varchar(255)	up to 255 characters	"Mary Jane Doe"
transporter_name2	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
~~type~~	This parameter has been deprecated and will be removed in an upcoming release			
updated_at	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~vehicle_color~~	This parameter has been deprecated and will be removed in an upcoming release			
vehicle_description	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
vehicle_license_plate	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
vehicle_vin	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
~~vehicle_year~~	This parameter has been deprecated and will be removed in an upcoming release			
void	Indicates whether a transfer record has been voided	boolean	0, 1	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Inventory Transfer Void

Create Inventory Transfer Void

Causes an inventory transfer record to be voided

Request

```
POST https://watest.leafdatazone.com/api/v1/inventory_transfers/void
```

Example Request

```
{
        "global_id": "WAG100001.IT5FB"
}
```

Example Response

```
{
      "created_at": "06/01/2018 11:28am",
      "updated_at": "06/01/2018 11:29am",
      "hold_starts_at": "06/01/2018 11:28am",
      "number_of_edits": null,
      "hold_ends_at": "06/02/2018 11:28am",
      "external_id": "",
      "void": "1",
      "transferred_at": "06/01/2018 11:29am",
      "est_departed_at": "06/01/2018 11:27am",
      "est_arrival_at": "06/01/2018 12:27pm",
      "multi_stop": "0",
      "route": "",
      "stops": "",
      "vehicle_description": "Val's Car",
      "vehicle_year": null,
      "vehicle_color": null,
      "vehicle_vin": "123456789",
      "vehicle_license_plate": "123ABC",
      "notes": "",
      "transfer_manifest": null,
      "manifest_type": "delivery",
      "status": "in-transit",
      "type": "inventory",
      "deleted_at": null,
      "transfer_type": "transfer",
```

```
"global_id": "WAG100001.IT5FB",
"test_for_terpenes": "0",
"transporter_name1": "Valerie Burns",
"transporter_name2": "",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_from_mme_id": "WAWA1.MM1VA",
"global_to_mme_id": "WAWA1.MM1VE",
"global_from_user_id": "WAWA1.US4",
"global_to_user_id": null,
"global_from_customer_id": null,
"global_to_customer_id": null,
"global_transporter_user_id": null,
"global_transporting_mme_id": null,
"inventory_transfer_items": [
      {
            "created_at": "06/01/2018 11:28am",
            "updated_at": "06/01/2018 11:28am",
            "external_id": "",
            "is_sample": "0",
            "sample_type": null,
            "product_sample_type": "",
            "description": "Dewberry Haze Other Material  WAG100001.INF1P WAG100001.BA4Y",
            "qty": "420.0000",
            "price": "1250.00",
            "uom": "gm",
            "received_at": "",
            "received_qty": null,
            "deleted_at": null,
            "retest": "0",
            "global_id": "WAG100001.IIDP0",
            "is_for_extraction": "1",
            "inventory_name": "Dewberry Haze Other Material",
            "strain_name": "Dewberry Haze",
            "global_mme_id": "WAWA1.MM1VA",
            "global_user_id": "WAWA1.US4",
            "global_batch_id": "WAG100001.BA4Y",
            "global_plant_id": null,
            "global_inventory_id": "WAG100001.INF1P",
            "global_lab_result_id": null,
```

```
                "global_received_area_id": null,
                "global_received_strain_id": null,
                "global_inventory_transfer_id": "WAG100001.IT5FB",
                "global_received_batch_id": null,
                "global_received_inventory_id": null,
                "global_received_plant_id": null,
                "global_received_mme_id": null,
                "global_received_mme_user_id": null,
                "global_customer_id": null,
                "global_inventory_type_id": "WAG100001.TY4N"
            }
        ]
}
```

MME Find

In Washington the front end term for an "MME" is "Licensee". This is a licensed facility or testing lab that is operational. Retrieval of MME information is necessary for completing transfers. The "MME Find" endpoint allows retrieval of MME info using the "mme_code" as a filter for the query.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
address1	The primary address line of the licensee record	varchar(255)	up to 255 characters	"123 Main St"
address2	The secondary address line of the licensee	varchar(255)	up to 255 characters	"Suite 420"
bio_license_number	The license number assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
bio_location_id	The location ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
bio_org_id	The organizational ID assigned to the mme (licensee) in the prior traceability system	varchar(255)	up to 255 characters	"ABC123"
certificate_number	The nine-digit UBI (unique business identifier) associated with the licensed facility	integer(11)	123456789	"123456789"
city	The city in which the licensee is licensed	varchar(255)	up to 255 characters	"Seattle"
code	The six-digit licensee ID number established by the State of Washington upon licensing of a facility, preceded by the letter associated with the licensee "type" ("G"=Producer, "M"=Processor, "J"=Producer/Processor, "R"=Retailer, "L"="QA testing lab, "T"=Tribe, "E"=Co-op, "Z"=Licensed Transporter Service	varchar(255)	X123456	"R654321"
~~*country_code*~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
external_id	An optional free-form field used to hold any identifying factors of a particular licensee	varchar(40)	up to 40 characters	"USER1234567"
~~fein~~	This parameter has been deprecated and will be removed in an upcoming release			
global_id	Auto-generated unique ID for an mme (licensee)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
id	Auto-generated numeric ID for this instance of an mme (database value, not UI-facing)	integer(11)	1234567	"1234567"
~~issuer~~	This parameter has been deprecated and will be removed in an upcoming release			
name	The name of the licensed facility	varchar(255)	up to 255 characters	"Training Retailer"
phone	The phone number related to the licensed facility	integer(11)	8885551234	"8885551234"
postal_code	The zip code in which the licensee is licensed	integer(11)	12345	"12345"
~~sender_receiver~~	This parameter has been deprecated and will be removed in an upcoming release			
state_code	The state in which the licensee is licensed (all values should be returned as "WA")	enum	"WA"	"WA"

Parameter	Description	Type	Valid Entries (for WA)	Example
type	The type of licensed facility that this record represents ("cultivation"=Producer "production"=Processor , "cultivation_production"=Producer/Processor, "dispensary"=Retailer, "lab"=QA testing lab, "tribe"=Tribe, "co-op"=Co-op, "transporter"=Licensed Transporter Service	enum	cultivation, production, cultivation_production, dispensary, lab, tribe, co-op, transporter	"dispensary"

= parameter for filtering only; * = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

Parameter	Filter
mme_code	?f_mme_code={mme_code}

Available Functions

Get MME Find

Get MME Find

Returns information regarding mmes (licensees) using an mme_code filter

Request

```
GET https://watest.leafdatasystems.com/api/v1/mmes/{mme_code}
```

Example Response


```
{
            "id": 2424,
            "external_id": "",
            "name": "Training Retailer",
            "certificate_number": "333000333",
            "address1": "333 S 3rd St",
            "address2": "",
            "city": "Seattle",
            "state_code": "WA",
            "postal_code": "98333",
            "country_code": "",
            "phone": "2065553333",
            "type": "dispensary",
            "code": "R300003",
            "sender_receiver": null,
            "issuer": null,
            "global_id": "WAWA1.MM1VC",
            "bio_org_id": null,
            "bio_location_id": null,
            "bio_license_number": null,
            "fein": ""
}
```

Move Inventory to Plants

The /move_inventory_to_plants workflow function causes plant records to be "unpackaged" from an inventory lot. This may occur when 'Immature Plant' inventory records are being converted into growing plants, or when transferred plants that have been moved to inventory already need to be moved back to plant records.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
created_at	The date/time a plant record was created	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"
global_area_id	The global ID of the area where the plant is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id	The global ID of the batch associated with the plant	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_id	Auto-generated unique ID for the plant	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
global_inventory_id	Global ID for the inventory record that is to be shifted to plant records	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_mme_id	The global ID of the licensed facility where the plant was created	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"
global_mother_plant_id	The global ID of the mother plant associated with the newly created plant	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
global_strain_id	The global ID of the strain associated with the plant	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"
global_user_id	The global ID of the user who created the plant	varchar(255)	WAWA1.US1Z2Y3	"WAWA1.US1Z2Y3"
origin	Indicates propagation source of the plant (for "propagation material", "plant", and "harvest" batch types); for this endpoint, the returned value for "origin" will always be "inventory"	enum	inventory	"inventory"

Parameter	Description	Type	Valid Entries (for WA)	Example
qty	The number of plants to be created from the origin inventory lot	integer(11)	integer	"123"
stage	Current development stage of the plants in the batch	enum	propagation_material, growing, harvested, packaged, destroyed	"growing"
updated_at	The date/time a plant record was updated	datetime	yyyy-mm-dd hh:mm:ss	"2018-01-02 12:34:56"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Move Inventory to Plants

Create Move Inventory to Plants

Creates plant records from an inventory lot comprised of mature or immature plants

Request

```
POST https://watest.leafdatazone.com/api/v1/move_inventory_to_plants
```

Example Request

```
{
        "global_inventory_id": "WAG100001.INAJ2",
        "qty": "5"
}
```

Example Response


```
[
      {
            "origin": "inventory",
            "stage": "veg",
            "updated_at": "06/01/2018 12:34am",
            "created_at": "06/01/2018 12:34am",
            "global_id": "WAG100001.PL1MJQ",
            "global_mme_id": "WAWA1.MM1VA",
            "global_user_id": "WAWA1.US4",
            "global_batch_id": "WAG100001.BAETV",
            "global_area_id": "WAG100001.AR1L",
            "global_mother_plant_id": null,
            "global_strain_id": "WAG100001.ST1T"
      },
      {
            "origin": "inventory",
            "stage": "veg",
            "updated_at": "06/01/2018 12:34am",
            "created_at": "06/01/2018 12:34am",
            "global_id": "WAG100001.PL1MJR",
            "global_mme_id": "WAWA1.MM1VA",
            "global_user_id": "WAWA1.US4",
            "global_batch_id": "WAG100001.BAETV",
            "global_area_id": "WAG100001.AR1L",
            "global_mother_plant_id": null,
            "global_strain_id": "WAG100001.ST1T"
      },
```

```
    {
        "origin": "inventory",
        "stage": "veg",
        "updated_at": "06/01/2018 12:34am",
        "created_at": "06/01/2018 12:34am",
        "global_id": "WAG100001.PL1MJS",
        "global_mme_id": "WAWA1.MM1VA",
        "global_user_id": "WAWA1.US4",
        "global_batch_id": "WAG100001.BAETV",
        "global_area_id": "WAG100001.AR1L",
        "global_mother_plant_id": null,
        "global_strain_id": "WAG100001.ST1T"
    },
    {
        "origin": "inventory",
        "stage": "veg",
        "updated_at": "06/01/2018 12:34am",
        "created_at": "06/01/2018 12:34am",
        "global_id": "WAG100001.PL1MJT",
        "global_mme_id": "WAWA1.MM1VA",
        "global_user_id": "WAWA1.US4",
        "global_batch_id": "WAG100001.BAETV",
        "global_area_id": "WAG100001.AR1L",
        "global_mother_plant_id": null,
        "global_strain_id": "WAG100001.ST1T"
    },
    {
        "origin": "inventory",
        "stage": "veg",
        "updated_at": "06/01/2018 12:34am",
        "created_at": "06/01/2018 12:34am",
        "global_id": "WAG100001.PL1MJU",
        "global_mme_id": "WAWA1.MM1VA",
        "global_user_id": "WAWA1.US4",
        "global_batch_id": "WAG100001.BAETV",
        "global_area_id": "WAG100001.AR1L",
        "global_mother_plant_id": null,
        "global_strain_id": "WAG100001.ST1T"
    }
]
```

Move Plants to Inventory

The /move_plants_to_inventory workflow function causes plant records to be "packaged" into an inventory lot. This may occur when 'Immature Plant' or 'Mature Plant' records are being transferred. Packaged plants should all represent the same strain.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
batch	See "batches" endpoint for parameter details returned			
created_at	The date/time an inventory record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
global_area_id	The global ID of the area where the inventory lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id	The global ID of the batch associated with the inventory lot	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_created_by_mme_id	The global ID of the licensee where the inventory originated	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"
global_id	Auto-generated unique ID for the inventory record	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_inventory_type_id	The global ID of the inventory type to be associated with the resultant inventory lot (to automatically create a new inventory type incorporating the strain and origin of the plants into the name, leave this parameter blank)	varchar(255)	up to 255 characters	"WAX123456.TY1Z2Y3"
global_inventory_type_id	The global ID of the inventory type associated with the inventory	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.TY1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_lab_result_id	The global ID of the lab results (created by a QA lab) associated with the inventory lot	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.LR1Z2Y3"
global_mme_id	The global ID of the licensee where the inventory record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_plant_ids	The global IDs of the plants that are to be packaged into inventory	varchar(255)	up to 255 characters	"WAX123456.PL1Z2Y3"
global_strain_id	The global ID of the strain associated with the inventory (if applicable)	varchar(255)	WAX123456.ST1Z2Y3	"WAX123456.ST1Z2Y3"
global_user_id	The global ID of the user who created the inventory record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
~~*inventory_created_at*~~	This parameter has been deprecated and will be removed in an upcoming release			
~~*inventory_packaged_at*~~	This parameter has been deprecated and will be removed in an upcoming release			
qty	The quantity of inventory present in the lot, relative to the unit of measure ("uom") of the associated inventory type	integer(11)	integer	"123"
~~source~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
updated_at	The date/time an inventory record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Move Plants to Inventory

Create Move Inventory to Plants

Creates an inventory lot of immature or mature plants of the same strain, within the same area

Request

```
POST https://watest.leafdatazone.com/api/v1/move_plants_to_inventory
```

Example Request


```
{
	"global_plant_ids": [
		"WAG100001.PLABA",
		"WAG100001.PLABB",
		"WAG100001.PLABC"
	],
	"global_inventory_type_id": "{enter global id or leave blank to create new}",
	"global_area_id": "WAG100001.AR1M"


}
```


Example Response


```
{
	"source": "inhouse",
	"qty": 3,
	"inventory_created_at": "06/01/2018",
	"inventory_packaged_at": "06/01/2018",
	"updated_at": "06/01/2018 12:34am",
	"created_at": "06/01/2018 12:34am",
	"global_id": "WAG100001.ING21",
	"global_mme_id": "WAWA1.MM1VA",
	"global_user_id": "WAWA1.US4",
	"global_batch_id": "WAG100001.BAETW",
	"global_area_id": "WAG100001.AR1M",
	"global_lab_result_id": null,
	"global_strain_id": "WAG100001.ST1V",
	"global_inventory_type_id": "WAG100001.TYA9P",
	"global_created_by_mme_id": "WAWA1.MM1VA",
	"batch": {
		"created_at": "06/01/2018 12:34am",
		"updated_at": "06/01/2018 12:34am",
		"external_id": "",
		"planted_at": "04/29/2018",
		"harvested_at": "",
		"batch_created_at": "2018-04-29 12:34:54",
		"num_plants": "46",
```

```
            "status": "open",
            "qty_harvest": "0.0000",
            "uom": "ea",
            "is_parent_batch": "1",
            "is_child_batch": "1",
            "type": "plant",
            "harvest_stage": "wet",
            "qty_accumulated_waste": "2273.0000",
            "qty_packaged_flower": null,
            "qty_packaged_by_product": null,
            "est_harvest_at": "",
            "packaged_completed_at": "",
            "origin": "seed",
            "source": "inhouse",
            "qty_cure": "0.0000",
            "plant_stage": "",
            "deleted_at": null,
            "flower_dry_weight": "0.00",
            "waste": "0.00",
            "other_dry_weight": "0.00",
            "harvested_end_at": "",
            "flower_wet_weight": "0.00",
            "other_wet_weight": "0.00",
            "global_id": "WAG100001.BAETW",
            "global_mme_id": "WAWA1.MM1VA",
            "global_user_id": "WAWA1.US4",
            "global_strain_id": "WAG100001.ST1V",
            "global_area_id": "WAG100001.AR1M"
        }
}
```

Plants by Area

Areas in a licensed cultivation (Producer) or cultivation_production (Producer/Processor) type facility may include active plant records. This count only includes plants that are in a "growing" phase. The "plants_by_area" function returns growing plant counts for all areas at a licensed facility.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
global_area_id	Auto-generated unique ID for the area being queried	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
~~global_batch_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_mme_id	Auto-generated unique ID for the licensee (mme) that the plants belong to	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
~~global_mother_plant_id~~	This parameter has been deprecated and will be removed in an upcoming release			
~~global_strain_id~~	This parameter has been deprecated and will be removed in an upcoming release			
~~global_user_id~~	This parameter has been deprecated and will be removed in an upcoming release			
name	The name of the area being queried for plant records	varchar(255)	up to 255 characters	"Flowering Room 100"
num_plants	The number of plants in the selected area	integer(11)	123	"123"
type	The type of the area being queried for plant records	enum	quarantine, non-quarantine	"non-quarantine"

= parameter for filtering only; * = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

There are no filters for this workflow function

Available Functions

Get Plants by Areas

Get Plants by Area

Returns plant counts for all areas at a licensed facility

Request

```
GET https://watest.leafdatasystems.com/api/v1/plants_by_area
```

Example Response


```
{
      "total": 1,
      "per_page": 2500,
      "current_page": 1,
      "last_page": 1,
      "next_page_url": null,
      "prev_page_url": null,
      "from": 1,
      "to": 1,
      "data": [
            {
                  "num_plants": "171",
                  "name": "Propagation Room",
                  "type": "non-quarantine",
                  "global_mme_id": "WAWA1.MM1VA",
                  "global_user_id": null,
                  "global_batch_id": null,
                  "global_area_id": "WAG100001.AR1L",
                  "global_mother_plant_id": null,
                  "global_strain_id": null
            }
```

Receive Transfer

Receive Transfer workflow function allows licensees to receive inventory associated with an inventory transfer that has been sent by another licensee. NOTE: To acquire the inventory item global ID necessary for the POST to be performed, use the /inventory_transfers GET call, filtered to the inventory transfer global ID of the transfer being received.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
created_at	The date/time an inventory transfer/inventory transfer item record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~*deleted_at*~~	This parameter has been deprecated and will be removed in an upcoming release			
est_arrival_at	The date/time of the estimated time of arrival for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
est_departed_at	The date/time of the estimated time of departure for the inventory transfer	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id	An optional free-form field used to hold any identifying factors of a particular inventory transfer record	varchar(40)	up to 40 characters	"INVTRANS1234567"
~~*global_from_customer_id*~~	This parameter has been deprecated and will be removed in an upcoming release			
global_from_mme_id	The global ID of the licensee sending the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
~~*global_from_user_id*~~	This parameter has been deprecated and will be removed in an upcoming release			
global_id	The global ID of the inventory transfer being received	Auto-generated unique ID for the inventory transfer record	varchar(255)	up to 255 characters
global_id (inventory item)	The global ID for the inventory item record	varchar(255)	up to 255 characters	"WAX123456.II1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_received_area_id (inventory item)	The global ID of the area at the receiving facility where the inventory is located	varchar(255)	up to 255 characters	"WAX123456.AR1Z2Y3"
~~global_received_batch_id~~ (inventory item)	This parameter has been deprecated and will be removed in an upcoming release			
global_received_inventory_id (inventory item)	The global ID of the inventory lot at the receiving facility that is associated with this inventory item	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_received_inventory_type_id (inventory item)	The global ID of the inventory type at the receiving facility that is associated with this inventory item	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
~~global_received_plant_id (inventory item)~~	This parameter has been deprecated and will be removed in an upcoming release			
global_received_strain_id (inventory item)	The global ID of the strain at the receiving facility associated with the received inventory	varchar(255)	up to 255 characters	"WAX123456.ST1Z2Y3"
~~global_to_customer_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_to_mme_id	The global ID of the licensee designated as the recipient of the transfer	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
~~global_to_user_id~~	This parameter has been deprecated and will be removed in an upcoming release			
~~global_transporter_user_id~~	This parameter has been deprecated and will be removed in an upcoming release			
global_transporting_mme_id	The global ID of the licensee type "licensed transporter" who is performing the transport of the product (if applicable)	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"
global_user_id	The global ID of the user who created the inventory transfer/inventory item record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
~~hold_ends_at~~	This parameter has been deprecated and will be removed in an upcoming release			
~~hold_starts_at~~	This parameter has been deprecated and will be removed in an upcoming release			
inventory_transfer_items	See "inventory_transfer" endpoint for parameter details returned			
manifest_type	Designates the type of inventory transfer	enum	delivery, pick-up, transporter	"delivery"
~~multi-stop~~	This parameter has been deprecated and will be removed in an upcoming release			
~~notes~~	This parameter has been deprecated and will be removed in an upcoming release			
number_of_edits	The number of total edits made to the inventory transfer	integer(11)	numeric value	"3"
received_qty (inventory item)	The quantity of a particular inventory item being received	decimal(10,4)	1234.56	"1234.56"
~~route~~	This parameter has been deprecated and will be removed in an upcoming release			
status	Identifies the status of the inventory transfer	enum	open, in-transit, received, ready-for-pickup	"open"
~~stops~~	This parameter has been deprecated and will be removed in an upcoming release			
test_for_terpenes	Indicates whether a non-mandatory lab sample should have terpenoid profile testing performed upon being sent to the QA lab	boolean	0, 1	"0"
~~transfer_type~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
transferred_at	The date/time at which a transfer was marked as "in transit"	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
transporter_name1	The name of the driver performing the transport	varchar(255)	up to 255 characters	"Mary Jane Doe"
transporter_name2	The name of a second driver performing the transport	varchar(255)	up to 255 characters	"Sativa Smithers"
~~type~~	This parameter has been deprecated and will be removed in an upcoming release			
updated_at	The date/time an inventory transfer/inventory transfer item record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~vehicle_color~~	This parameter has been deprecated and will be removed in an upcoming release			
vehicle_description	Make/Model of vehicle used for the inventory transfer	varchar(255)	up to 255 characters	"Chevrolet/CamaroSS"
vehicle_license_plate	The license plate number of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"ND4SPD"
vehicle_vin	The VIN of the vehicle being used for the transportation of the inventory on the transfer	varchar(255)	up to 255 characters	"1Z2Y3X4W5V6U7T8S"
~~vehicle_year~~	This parameter has been deprecated and will be removed in an upcoming release			
void	Indicates whether a transfer record has been voided	boolean	0, 1	"1"

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Receive Transfer

Create Receive Transfer

Provides the ability to harvest plants into a new or pre-existing harvest batch

Request

```
POST https://watest.leafdatazone.com/api/v1/inventory_transfers/api_receive
```

Example Request

```
{
        "global_id": "WAG100001.IT5P",
        "inventory_transfer_items": [{
                "global_id": "WAG100001.II7F",
                "received_qty": "2599.00",
                "global_received_area_id": "WAM200002.AR24",
                "global_received_strain_id": "WAM200002.ST20",
                "global_received_inventory_id": "WAG100001.INDH",
                "global_received_inventory_type_id": "WAM200002.TY5T"
        }]
}
```

Example Response

```
{
      "created_at": "02/11/2018 06:03pm",
      "updated_at": "02/15/2018 06:29am",
      "hold_starts_at": "02/11/2018 06:03pm",
      "number_of_edits": "1",
      "hold_ends_at": "02/12/2018 06:03pm",
      "external_id": "",
      "void": "0",
      "transferred_at": "02/11/2018 06:03pm",
      "est_departed_at": "02/10/2018 07:02pm",
      "est_arrival_at": "02/11/2018 07:03pm",
      "multi_stop": "0",
      "route": "",
      "stops": "",
      "vehicle_description": "Val's Car",
      "vehicle_year": null,
      "vehicle_color": null,
      "vehicle_vin": "12345678986746252",
```

```
"vehicle_license_plate": "123ABC",
"notes": "",
"transfer_manifest": null,
"manifest_type": "delivery",
"status": "received",
"type": "inventory",
"deleted_at": null,
"transfer_type": "transfer",
"global_id": "WAG100001.IT5P",
"test_for_terpenes": "0",
"transporter_name1": "Valerie Burns",
"transporter_name2": "",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_from_mme_id": "WAWA1.MM1VA",
"global_to_mme_id": "WAWA1.MM1VB",
"global_from_user_id": "WAWA1.US4",
"global_to_user_id": null,
"global_from_customer_id": null,
"global_to_customer_id": null,
"global_transporter_user_id": null,
"global_transporting_mme_id": null,
"inventory_transfer_items": [
      {
            "created_at": "02/11/2018 06:03pm",
            "updated_at": "02/15/2018 06:29am",
            "external_id": "",
            "is_sample": "0",
            "sample_type": null,
            "product_sample_type": "",
            "description": "Dewberry Haze Dewberry Haze Flower Lots  WAG100001.INDH WAG100001.BAAJ",
            "qty": "2599.0000",
            "price": "5000.00",
            "uom": "gm",
            "received_at": "05/29/2018 06:29am",
            "received_qty": "2599.0000",
            "deleted_at": null,
            "retest": "0",
            "global_id": "WAG100001.II7F",
            "is_for_extraction": "1",
```

```
                "inventory_name": "Dewberry Haze Flower Lots",
                "strain_name": "Dewberry Haze",
                "global_mme_id": "WAWA1.MM1VA",
                "global_user_id": "WAWA1.US4",
                "global_batch_id": "WAG100001.BAAJ",
                "global_plant_id": null,
                "global_inventory_id": "WAG100001.INDH",
                "global_lab_result_id": null,
                "global_received_area_id": null,
                "global_received_strain_id": null,
                "global_inventory_transfer_id": "WAG100001.IT5P",
                "global_received_batch_id": "WAM200002.BADYS",
                "global_received_inventory_id": "WAM200002.INF1R",
                "global_received_plant_id": null,
                "global_received_mme_id": "WAWA1.MM1VB",
                "global_received_mme_user_id": "WAWA1.US4",
                "global_customer_id": null,
                "global_inventory_type_id": "WAG100001.TY4G"
            }
        ]
}
```

Split Inventory

The /split_inventory workflow function allows for inventory lots to be split into children lots that are related to the parent lot. Inventory should NOT be split prior to transferring samples to a lab, since the lab sample must be derived from the parent lot at time of transfer in order for the lab results to properly associate with it.

Parameters

Parameter	Description	Type	Valid Entries (for WA)	Example
~~additives~~	This parameter has been deprecated and will be removed in an upcoming release			
batch	See "batches" endpoint for parameter details returned			
cost	This field is still currently required in the API call, but is being deprecated in a future release; use a null value to complete			
~~cost~~	This parameter has been deprecated and will be removed in an upcoming release			
created_at	The date/time an inventory record was created	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
deleted_at	The date/time an inventory record was deleted	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
external_id	An optional free-form field used to hold any identifying factors of a particular inventory record	varchar(40)	up to 40 characters	"LOT1234567"
global_area_id	The global ID of the area where the inventory lot being split from the parent is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_area_id	The global ID of the area where the inventory lot is located	varchar(255)	WAX123456.AR1Z2Y3	"WAX123456.AR1Z2Y3"
global_batch_id	The global ID of the batch associated with the inventory lot	varchar(255)	up to 255 characters	"WAX123456.BA1Z2Y3"
global_created_by_mme_id	The global ID of the licensee where the inventory originated	varchar(255)	WAWA1.MM1Z2Y3	"WAWA1.MM1Z2Y3"
global_id	Auto-generated unique ID for the inventory record created	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_inventory_id	Global ID for the inventory record that is to be split	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_inventory_type_id	The global ID of the inventory type associated with the inventory	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.TY1Z2Y3"
global_lab_result_id	The global ID of the lab results (created by a QA lab) associated with the inventory lot	varchar(255)	WAX123456.LR1Z2Y3	"WAX123456.LR1Z2Y3"
global_mme_id	The global ID of the licensee where the inventory record was created	varchar(255)	up to 255 characters	"WAWA1.MM1Z2Y3"

Parameter	Description	Type	Valid Entries (for WA)	Example
global_original_id	The global ID of the inventory lot relative to the facility that it was received FROM; For Retailers (and anyone receiving inventory), this value is important for being able to identify an inventory lot based on the global ID on the labelling/package	varchar(255)	up to 255 characters	"WAX123456.IN1Z2Y3"
global_strain_id	The global ID of the strain associated with the inventory (if applicable)	varchar(255)	WAX123456.ST1Z2Y3	"WAX123456.ST1Z2Y3"
global_user_id	The global ID of the user who created the inventory record	varchar(255)	up to 255 characters	"WAWA1.US1Z2Y3"
~~*inventory_created_at*~~	This parameter has been deprecated and will be removed in an upcoming release			
~~*inventory_expires_at*~~	This parameter has been deprecated and will be removed in an upcoming release			
~~*inventory_packaged_at*~~	This parameter has been deprecated and will be removed in an upcoming release			
inventory_type	See "inventory_types" endpoint for parameter details returned			

Parameter	Description	Type	Valid Entries (for WA)	Example
is_initial_inventory	Denotes whether inventory represents post-contingency on hand inventory created by 4/30/2018	boolean	0, 1	"1"
lab_results_attested	If inventory "is_initial_inventory", then lab results attestation is required to bypass QA result requirements for product to transfer; Attestation affirms the following on behalf of the licensee: "I attest the attached Quality Assurance Test result is accurate or the marijuana product does not require Quality Assurance Test results at this stage"	boolean	0, 1	"1"
lab_results_date	The date the attached lab results were completed at the QA lab, per the pdf upload (if applicable)	date	mm/dd/yyyy	"02/01/2018"
lab_results_file_path	The base64-encoded file reference for the pdf lab results associated with the inventory lot	base64-encoded file path	css; base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1	"css; base64,/9j/4AAQSkZJRgABAQEAWgBaAAD/4gxYSUNDX1"
lab_retest_id	Unique database value related to a lab result created for a retest	integer(11)	1234567	"1234567"

Parameter	Description	Type	Valid Entries (for WA)	Example
~~last_harvest_stage~~	This parameter has been deprecated and will be removed in an upcoming release			
legacy_id	FE term for "legacy_id" is "Contingency/Old Traceability ID"; numeric ID from previous traceability methods entered only if inventory is designated as "initial_inventory"	integer(11)	1234567898765432	"1234567898765432"
~~marijuana_type~~	This parameter has been deprecated and will be removed in an upcoming release			
medically_compliant	Denotes whether or not an inventory lot is designated as medically compliant	boolean	0, 1	"0"
net_weight	This field is still currently required in the API call, but is being deprecated in a future release; use a null value to complete			
~~packed_qty~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
qty	The quantity of inventory being split into the new lot from the parent lot, relative to the unit of measure ("uom") of the associated inventory type	integer(11) or decimal(10,2)	integer if "uom"="ea" and decimal value if "uom"=gm"	"12345.67"
qty	The quantity of inventory present in the lot, relative to the unit of measure ("uom") of the associated inventory type	integer(11) or decimal(10,2)	integer if "uom"="ea" and decimal value if "uom"=gm"	"12345.67"
~~released_by_state~~	This parameter has been deprecated and will be removed in an upcoming release			
sent_for_testing	Denotes whether a sample of this inventory lot has been sent to the QA lab for mandatory or non-mandatory testing	boolean	0, 1	"0"
~~serving_num~~	This parameter has been deprecated and will be removed in an upcoming release			
~~serving_size~~	This parameter has been deprecated and will be removed in an upcoming release			

Parameter	Description	Type	Valid Entries (for WA)	Example
~~source~~	This parameter has been deprecated and will be removed in an upcoming release			
~~total_marijuana_in_grams~~	This parameter has been deprecated and will be removed in an upcoming release			
uom	The unit of measure associated with the inventory lot, derived from the associated inventory types	enum	gm, ea	"gm"
updated_at	The date/time an inventory record was updated	datetime	mm/dd/yyyy hh:mmXM	"02/01/2018 12:34PM"
~~value~~	This parameter has been deprecated and will be removed in an upcoming release			

* = modifiable; <**bold**> = required field; <*italics*> = returned value; <~~strikethrough~~> = deprecated value, pending removal

Filters

No filters available

Available Functions

Create Split Inventory

Create Split Inventory

Splits a child lot off of a parent inventory lot while maintaining the same attributes as the parent lot

Request

```
POST https://watest.leafdatazone.com/api/v1/split_inventory
```

Example Request

```
{
	"global_inventory_id": "WAG100001.IN61",
	"global_area_id": "WAG100001.AR1R",
	"external_id": "SPLIT123",
	"qty": "456",
	"net_weight": "",
	"cost": ""
}
```

Example Response

```
{
	"external_id": "SPLIT123",
	"released_by_state": null,
	"lab_retest_id": null,
	"is_initial_inventory": "0",
	"net_weight": "0.00",
	"inventory_created_at": "01/29/2018",
	"inventory_expires_at": "",
	"inventory_packaged_at": "06/05/2018",
	"qty": "456",
	"packed_qty": "0.0000",
	"cost": "0.00",
	"value": "0.00",
	"source": "inhouse",
	"uom": "gm",
	"total_marijuana_in_grams": "0.00",
	"additives": "",
	"serving_num": "",
```

```
"serving_size": "",
"marijuana_type": "flower",
"sent_for_testing": "0",
"deleted_at": null,
"last_harvest_stage": "cure",
"medically_compliant": null,
"global_id": "WAG100001.ING22",
"legacy_id": null,
"lab_result_file_path": null,
"lab_results_attested": "0",
"lab_results_date": "",
"global_original_id": "WAG100001.IN61",
"updated_at": "06/05/2018 01:31am",
"created_at": "06/05/2018 01:31am",
"global_mme_id": "WAWA1.MM1VA",
"global_user_id": "WAWA1.US4",
"global_batch_id": "WAG100001.BA4W",
"global_area_id": "WAG100001.AR1R",
"global_lab_result_id": null,
"global_strain_id": "WAG100001.ST1W",
"global_inventory_type_id": "WAG100001.TY47",
"global_created_by_mme_id": null,
"batch": {
      "created_at": "01/29/2018 12:29pm",
      "updated_at": "01/29/2018 12:34pm",
      "external_id": "",
      "planted_at": "",
      "harvested_at": "01/29/2018",
      "batch_created_at": "2018-01-29 12:29:53",
      "num_plants": "24",
      "status": "closed",
      "qty_harvest": "30000.0000",
      "uom": "gm",
      "is_parent_batch": "1",
      "is_child_batch": "1",
      "type": "harvest",
      "harvest_stage": "finished",
      "qty_accumulated_waste": "1111.0000",
      "qty_packaged_flower": "1200.0000",
      "qty_packaged_by_product": "600.0000",
```

```
        "est_harvest_at": "",
        "packaged_completed_at": "",
        "origin": "seed",
        "source": "inhouse",
        "qty_cure": "0.0000",
        "plant_stage": "harvested",
        "deleted_at": null,
        "flower_dry_weight": "0.00",
        "waste": null,
        "other_dry_weight": "0.00",
        "harvested_end_at": "01/29/2018 01:00pm",
        "flower_wet_weight": "24000.00",
        "other_wet_weight": "6000.00",
        "global_id": "WAG100001.BA4W",
        "global_mme_id": "WAWA1.MM1VA",
        "global_user_id": "WAWA1.US4",
        "global_strain_id": "WAG100001.ST1W",
        "global_area_id": "WAG100001.AR1L"
    },
    "inventory_type": {
        "created_at": "01/29/2018 12:07pm",
        "updated_at": "01/29/2018 12:07pm",
        "external_id": "",
        "name": "Harlequin Flower",
        "description": "",
        "storage_instructions": "",
        "ingredients": "",
        "type": "harvest_materials",
        "allergens": "",
        "contains": "",
        "used_butane": "0",
        "net_weight": "0.00",
        "packed_qty": "0.0000",
        "cost": "0.00",
        "value": "0.00",
        "serving_num": "",
        "serving_size": "",
        "uom": "gm",
        "total_marijuana_in_grams": "0.00",
        "deleted_at": null,
```

```
            "intermediate_type": "flower",
            "global_id": "WAG100001.TY47",
            "global_mme_id": "WAWA1.MM1VA",
            "global_user_id": "WAWA1.US4",
            "global_strain_id": null
        }
}
```